API Well No: 43013505610000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL	1. WELL NAME and NUMBER: Evans #1-4-3-3
2. TYPE OF WORK: DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○	3. FIELD OR WILDCAT: WILDCAT
4. TYPE OF WELL: Oil Well Coalbed Methane Well: NO	5. UNIT or COMMUNITIZATION AGREEMENT NAME
6. NAME OF OPERATOR: HARVEST (US) HOLDINGS, INC	7. OPERATOR PHONE: 281 899-5722
8. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077	9. OPERATOR E-MAIL: jmckee@harvestnr.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE): Fee 11. MINERAL OWNERSHIP: FEDERAL ○ INDIAN ○ STATE ○ FEE ◉	12. SURFACE OWNERSHIP: FEDERAL ○ INDIAN ○ STATE ○ FEE ◉
13. NAME OF SURFACE OWNER (if box 12 = 'fee'): Fred and Angeline Evans Family Trust	14. SURFACE OWNER PHONE (if box 12 = 'fee'): 435-646-3259
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee'): HC 64 Box 340, Duchesne, UT 84021	16. SURFACE OWNER E-MAIL (if box 12 = 'fee'):
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') 18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS: YES ○ (Submit Commingling Application) NO ◉	19. SLANT: VERTICAL ◉ DIRECTIONAL ○ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1385 FNL 1181 FWL	SWNW	4	3.0 S	3.0 W	U
Top of Uppermost Producing Zone	1385 FNL 1181 FWL	SWNW	4	3.0 S	3.0 W	U
At Total Depth	1385 FNL 1181 FWL	SWNW	4	3.0 S	3.0 W	U

21. COUNTY: DUCHESNE	22. DISTANCE TO NEAREST LEASE LINE (Feet): 1181	23. NUMBER OF ACRES IN DRILLING UNIT: 160
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed): 0	26. PROPOSED DEPTH: MD: 11500 TVD: 11500
27. ELEVATION - GROUND LEVEL: 5550	28. BOND NUMBER	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE: Neil Moon Pond

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORCANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☑ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☐ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME Don Hamilton	TITLE Permitting Agent (Buys & Associates, Inc)	PHONE 435 719-2018
SIGNATURE	DATE 01/24/2011	EMAIL starpoint@etv.net

API NUMBER ASSIGNED
43013505610000

APPROVAL

Permit Manager

API Well No: 43013505610000

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Cond	17.5	13.375	0	500		
Pipe	**Grade**	**Length**	**Weight**			
	Grade H-40 ST&C	500	48.0			

API Well No: 43013505610000

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
I1	8.75	7	0	8700		
Pipe	**Grade**	**Length**	**Weight**			
	Grade P-110 LT&C	8700	29.0			

API Well No: 43013505610000

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Prod	6	4.5	0	11650		
Pipe	**Grade**	**Length**	**Weight**			
	Grade P-110 LT&C	3100	15.1			

API Well No: 43013505610000

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Surf	12.25	9.625	0	3000		
Pipe	**Grade**	**Length**	**Weight**			
	Grade J-55 LT&C	3000	36.0			

'APIWellNo:43013505610000'

CONFIDENTIAL STATUS

HARVEST (US) HOLDINGS, INC.

Evans #1-4-3-3
Section 4-T3S-R3W
Duchesne County, Utah

DRILLING PROGRAM

1. *GEOLOGIC SURFACE FORMATION*

Uinta formation of Upper Eocene Age

2. *ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS*

UINTAH	0’
GREEN RIVER	4,331’
UTELAND BUTTE	9,625’
WASATCH	9,869’
TD	11,500’

3. *ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS*

Wasatch (Oil & Gas) 9,625’ – 11,500’

Fresh water may be encountered in the Uintah Formation, but would not be expected below about 500’.

4. *PROPOSED CASING PROGRAM*

a. Casing Design:

Size	Interval		Wt	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Conductor 20” Hole size 26”	0’	60’	0.25WT	X-42	A53B	N/A	N/A	N/A
Deep Conductor 13 3/8” Hole Size 17 ½”	0’	500’	48.0	H-40	STC	1,730 psi 7.92 SF	740 psi 3.39 SF	322,000 lbf 13.41 SF
Surface - 9 5/8” Hole Size 12 ¼”	0’	3,000’	36	J-55	LTC	3,520 psi 1.88 SF	2,020 psi 1.44 SF	453,000 lbf 4.84 SF
Intermediate/Production 7” Hole Size 8 ¾”	0	8,700’	29	P-110	LT&C	11,220 psi 1.45 SF	8,530 psi 1.40 SF	929,000 lbf 3.68
Production Liner 4 ½” Hole Size 6”	8,400’	11,500’	15.1	P-110	LTC	14,420 psi 1.85 SF	14,350 psi 1.78 SF	406,000 lbf 8.67 SF

Assumptions:

1) Surface casing Maximum Allowable Surface Pressure (MASP) = Fracture gradient - Gas gradient
2) Production casing MASP (production mode) = Pore pressure - gas gradient
3) All collapse calculations assume fully evacuated casing w/gas gradient
4) All tension calculations assume air weight

Fracture gradient at 9 5/8” casing shoe= 12.45 ppg
Pore pressure at 9 5/8” casing shoe = 8.33 ppg

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Fracture gradient at 7" casing shoe=	15.2 ppg
Pore pressure at 7" casing shoe=	11.2 ppg
Pore Pressure at production casing shoe=	13.0 ppg
Gas gradient =	0.115 psi/ft
Frac gradient =	0.83 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of one (1) centralizer on each of the bottom three (3) joints.

b. Cementing Design:

Job	Fill	Description	Sacks ft^3	OH Excess	Weight (ppg)	Yield (ft^3/sk)
Conductor casing 20"	60' to surface	Class G w/ 2% CaCl	135 155	50%	15.8	1.15
Deep Conductor casing 13 3/8"	500' to surface	Premium G w/ 2%CaCl, ¼ lb/sk Flocele	600 690	50%	15.8	1.15
Surface casing 9 5/8" Lead	2500' to surface	Premium Type V w/ 16% gel, 10 lbs/sk gilsonite, 3% salt, 3 lbs/sk GR 3, ¼ lb/sk Flocele	300 1146	40%	11.0	3.82
Surface casing 9 5/8" Tail	3000' to 2500'	Premium G w/ 2% CaCl, ¼ lb/sk Flocele	100 115	50%	15.8	1.15
Intermediate/Production casing 7" Lead	6500' to surface	Light Premium w/ 2% gel, 6 lbs/sk light weight additive, 0.125 lb/sk lost circulation additive	459 1270	30%*	11.5	2.77
Intermediate/Production casing 7" Tail	8700' to 6500'	50/50 Poz Premium w/ 2% expander, 0.3% fluid loss control, 0.3% retarder	333 430	30%*	14.3	1.29
Production Liner – 4 ½"	11500' to 8400'	BONDCEM system w/ 2% expander, 0.3% fluid loss control, 0.3% retarder	222 346	30%*	15.6	1.56

*Actual volume pumped will be 15% over the caliper log.
-Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours.
-Compressive strength of tail cement: 2500 psi @ 24 hours

Waiting on Cement (WOC): A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure, and a minimum of six (6) hours shall elapse before drilling out the wiper plug, cement, or shoe is begun. WOC time shall be recorded in the Driller's Log. Compressive Strength shall be a minimum of 500 psi prior to drilling out.

The 9-5/8" surface casing shall, in all cases, be cemented back to surface. In the event that during the primary surface cementing operation, the cement does not circulate to surface, or if the cement level should fall back more than 8' from surface, then a remedial surface cementing operation shall be performed to ensure adequate isolation and stabilization of the surface casing.

The intermediate/production casing cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals.

The production liner cementing program shall be conducted as approved to protect and or isolate all potentially productive zones, abnormally pressured zones and any prospectively valuable deposits of minerals. Overlap will be a minimum of 200' w/ a 250' cap on top of liner or isolation packer on top of the liner hanger.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200' above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable pre-flush fluid, inner string cement method, etc., shall be utilized to help isolate the cement from contamination by the mud being displaced ahead of the cement slurry.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken. All production strings will be exposed to both positive as mentioned above and negative testing.

5. *TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS*

Depth	*Type*	*Weight*	*Vis*	*API Fluid Loss*
0-80'	Air or Water	8.33	N/A	N/A
80-500'	Air/Mist	8.4-8.6	45-55	N/C
500'-3,000'	Air/Mist or Water/Gel w/ FL	8.8–9.0	45-60	8-10
3,000'-8,700'	Water Base Mud	9.0-11.7	45	2-3
8,700-11,500'	Water Base Mud	11.7-13.7	45	2-3

From surface to 500' feet will be drilled with air or fresh water and gel sweeps. From 500'-3,000', when hole conditions dictate, air or a fresh water gel system will be utilized. From 3,000' to Total Depth (TD), a Water Base Mud will be used. This system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight at TD is 13.7 ppg.

6. *AUXILIARY SAFETY EQUIPMENT TO BE USED*

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

7. *MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL*

'APIWellNo:43013505610000'

CONFIDENTIAL STATUS

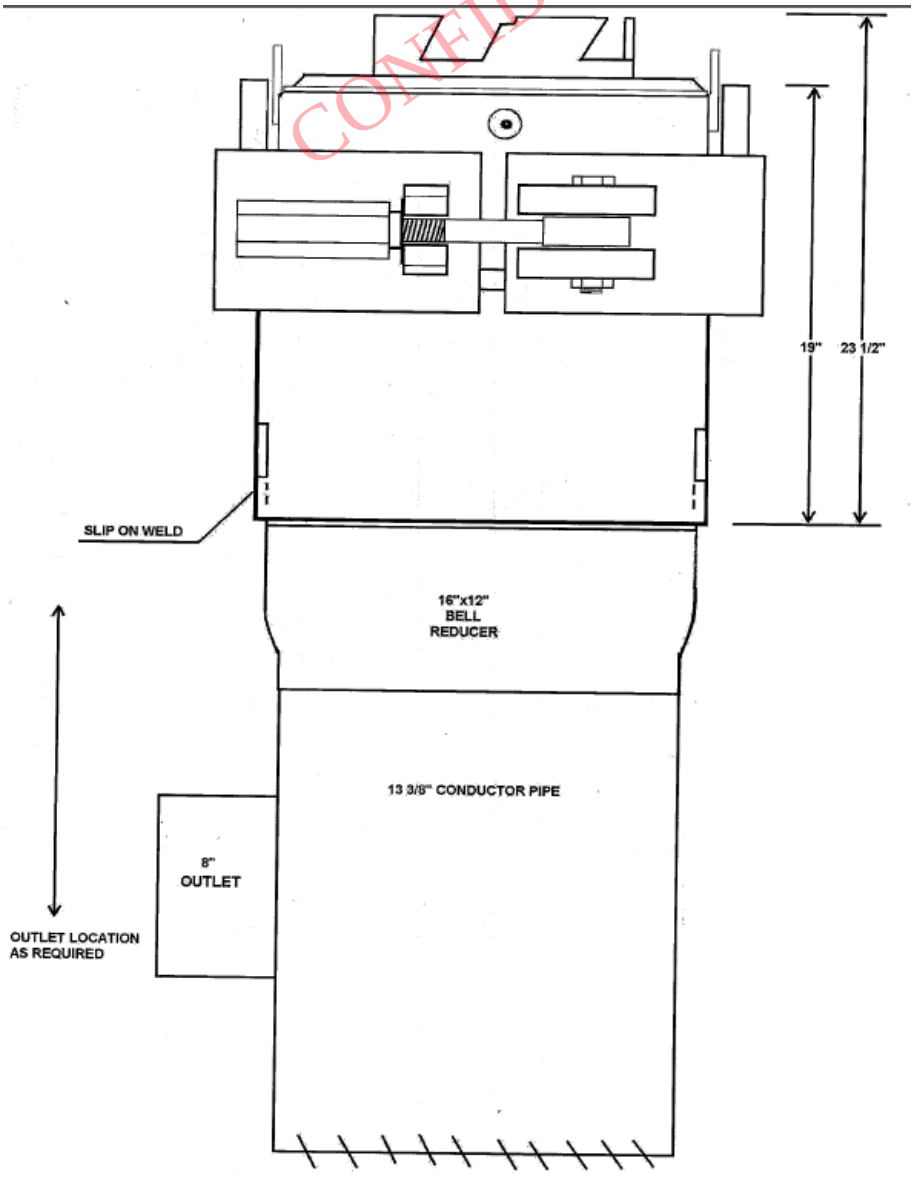
The Company's minimum specifications for pressure control equipment for a standard Green River/Wasatch well are as follows:

12-1/4" hole: 500' – 3000'.

A diverter system will be used with a minimum diameter of 8" flow line being plumbed to the cuttings pit if on air/mist system or directly to the mud system if it is necessary to convert to a fluid system if air volumes are insufficient.

Connections – All connections on the riser to the diverter will be welded. Flow line will be saddled to the riser with connections downstream being either welded or screwed.

Working pressure of the diverter element will exceed the friction pressure of any fluid in the 8" line to the open mud system pumping a flowrate sufficient to clean the hole.



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8 ¾" Hole: 3000' – 8,700'

A 5000 psi WP hydraulic BOP stack consisting of a double ram preventer and 3000 psi WP annular preventer will be installed before drilling beneath 9 5/8" surface casing.

Connections – All components on the stack and choke and kill lines shall have either flanged, studded, clamp hub or equivalent proprietary connections except control line outlets and pressure gauges.

Choke Manifold – The minimum equipment requirements are shown below. The choke manifold shall be located at least 5 feet from the BOP stack, outside the substructure.

Pressure Monitoring – A means of monitoring the inlet pressure of the choke manifold shall be provided. The capability to isolate this outlet shall be provided.

Drill String Control Devices – An upper and lower Kelly valve, drill string safety valve, including correct closing handle, and an inside BOP shall be provided. The safety valve and inside BOP shall have connections or crossovers to fit all tubulars with OD to allow adequate clearance for running in the hole. All drill string valves shall be rated to the required BOP working pressure.

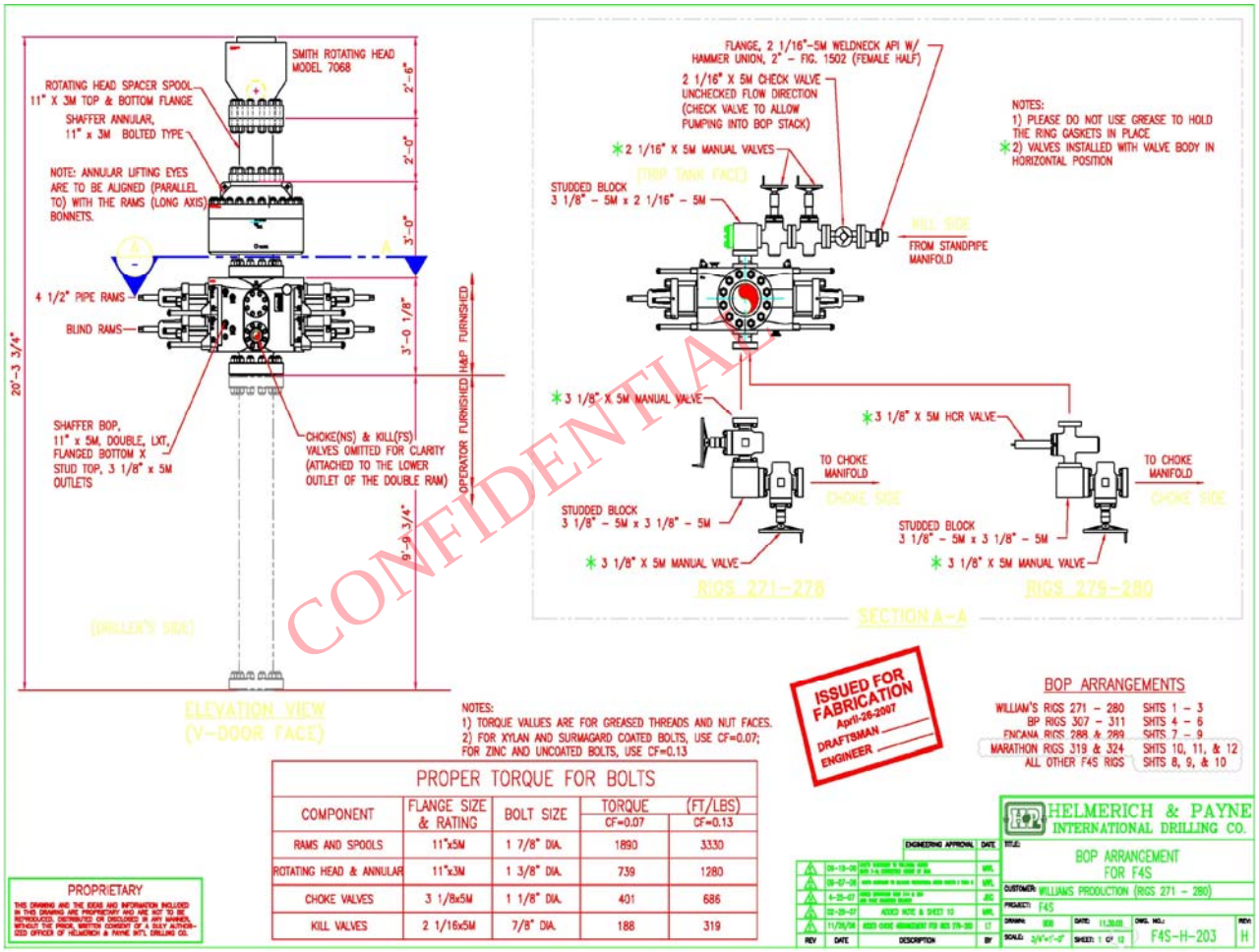
The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 (BLM) for equipment and testing requirements, procedures, etc., for a 5000 psi system, and individual components shall be operable as designed.

Function test of the BOP equipment shall be made daily. All required BOP tests and/or drills shall be recorded in the Daily report.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling.

'APIWellNo:43013505610000'

CONFIDENTIAL STATUS



6" Hole: 8,700' – PTD

A 10000 psi WP hydraulic BOP stack consisting of a double ram preventer and 5000 psi WP annular preventer will be installed before drilling beneath 7" intermediate/production casing.

Connections – All components on the stack and choke and kill lines shall have either flanged, studded, clamp hub or equivalent proprietary connections except control line outlets and pressure gauges.

Choke Manifold – The minimum equipment requirements are shown below. The choke manifold shall be located at least 5 feet from the BOP stack, outside the substructure.

Pressure Monitoring – A means of monitoring the inlet pressure of the choke manifold shall be provided. The capability to isolate this outlet shall be provided.

Drill String Control Devices – An upper and lower Kelly valve, drill string safety valve, including correct closing handle, and an inside BOP shall be provided. The safety valve and inside BOP shall have connections or crossovers to fit all tubulars with OD to allow adequate clearance for running in the hole. All drill string valves shall be rated to the required BOP working pressure.

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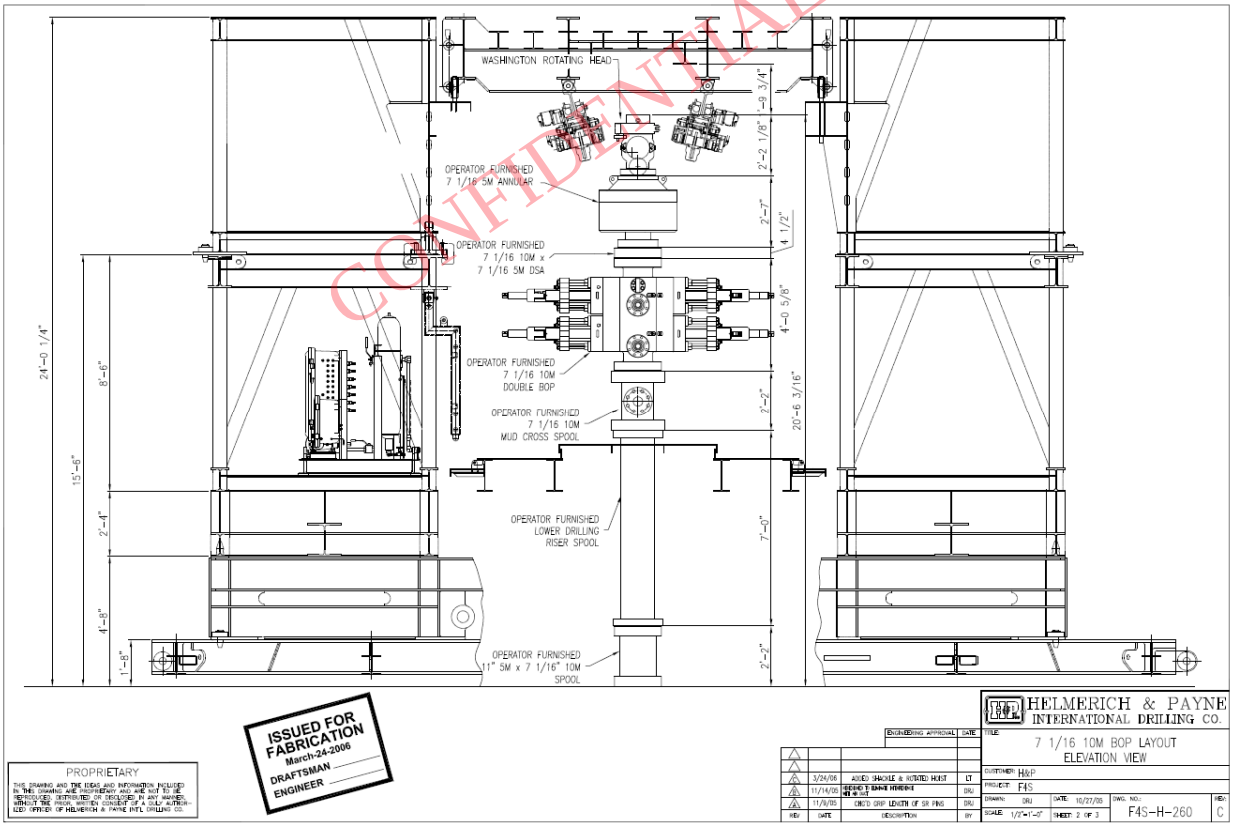
The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 (BLM) for equipment and testing requirements, procedures, etc., for a 10000 psi system, and individual components shall be operable as designed.

Function test of the BOP equipment shall be made daily. All required BOP tests and/or drills shall be recorded in the Daily report.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling.



8. *TESTING, LOGGING AND CORING PROGRAMS*

a. Logging Program:

QUAD COMBO – TLD/CNL/DSI/SP/GR TD – 3,000'

CBL: A cement bond log will be run from 11,500' to the cement top of the production casing, calculated to be ground level.

Note: The log types run may change at the discretion of the geologist.

b. Cores: No cores planned

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c. Drill Stem Tests: No DSTs are planned in the Green River or Wasatch formations

Drill stem tests, if they are run, will adhere to the following requirements: Initial opening of the drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the Authorized Officer (AO). However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the AO. Closed chamber DSTs may be performed day or night.

Some means of reverse circulation shall be provided in case of flow to the surface showing evidence of hydrocarbons.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

If a DST is performed, all engines within 100 feet of the wellbore that are required to be operational during the test shall have spark arresters or water-cooled exhausts.

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9. ***ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE***

Abnormal pressures and temperatures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottom hole pressure will be 0.676 psi/foot at PTD.

10. ***ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:***

Anticipated Commencement Date:	1 February 2011
Drilling Days:	Approximately 39
Completion Days:	Approximately 21

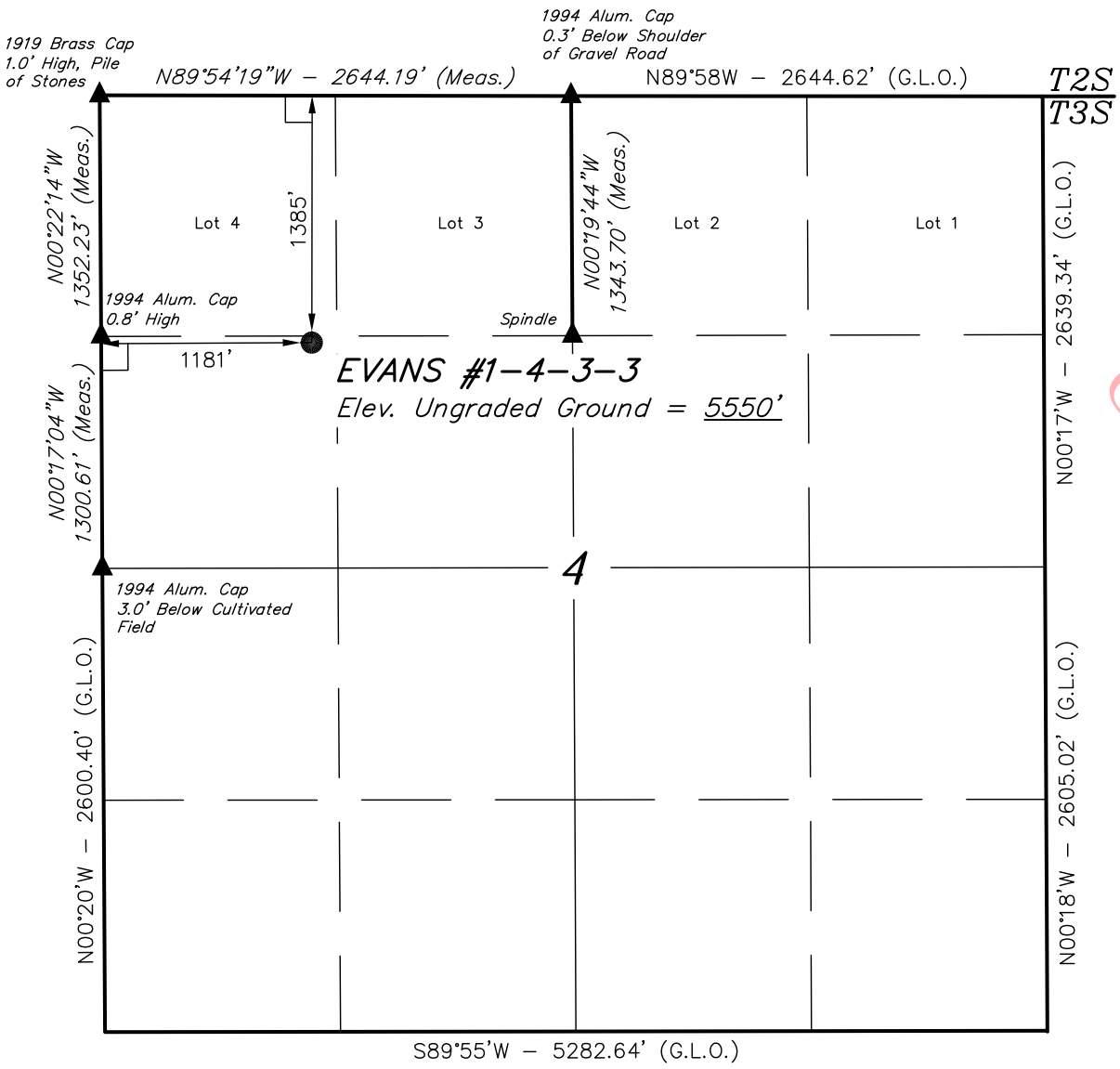
11. ***CONTACT INFORMATION:***

Buys & Associates, Inc.
Don Hamilton/Regulatory Specialist
435-719-2018 Office
435-719-2019 Fax
starpoint@etv.net

Please use the above mentioned contact for any questions or concerns regarding the Form 3 Application for Permit to Drill, Drilling Plan or scheduling the onsite inspection. If the above mentioned contact is not available you may reach the following person:

Harvest (US) Holding, Inc.
Jeff Schrutka
Drilling & Completion Manager
281-899-5776 Office
713-231-8319 Cell
jschrutka@harvestnr.com

T3S, R3W, U.S.B.&M.



HARVEST (US) HOLDINGS, INC.

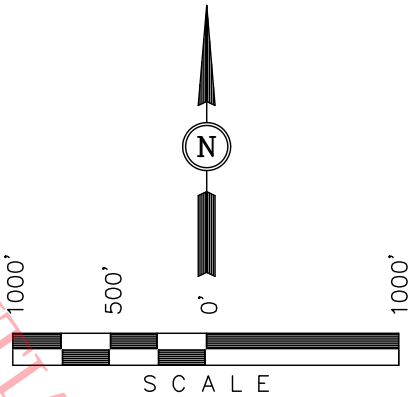
Well location, EVANS #1-4-3-3, located as shown in the SW 1/4 NW 1/4 of Section 4, T3S, R3W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE SOUTHEAST CORNER OF SECTION 20, T3S, R2W, U.S.B.&M. TAKEN FROM THE MYTON, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5148 FEET.

BASIS OF BEARINGS

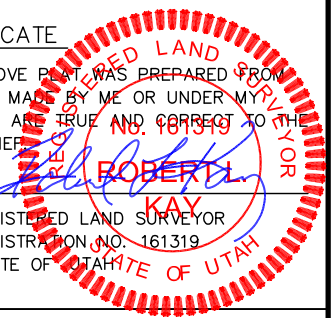
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH



LEGEND:

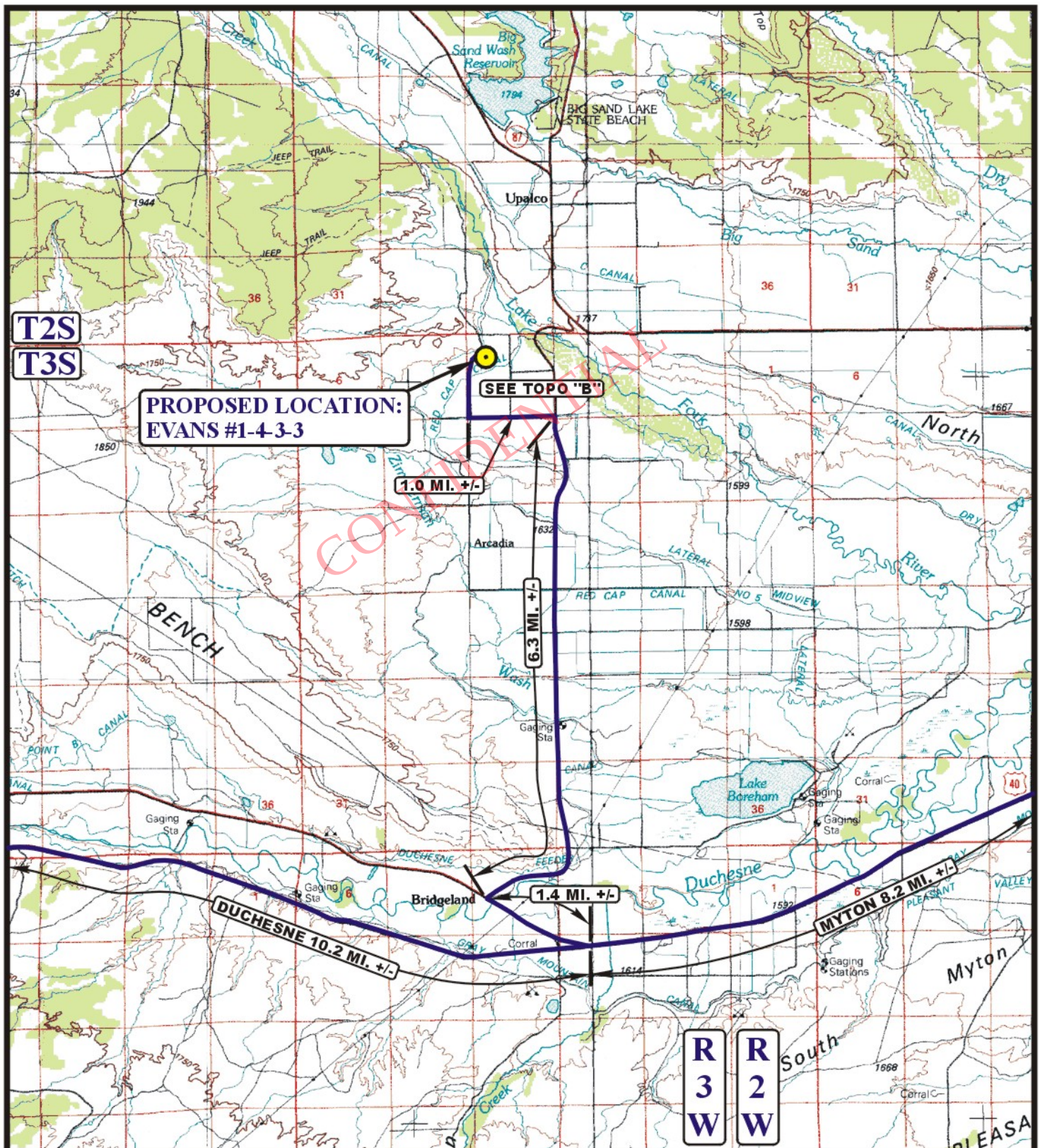
- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 40°15'15.06" (40.254183)
LONGITUDE = 110°14'00.18" (110.233383)
(NAD 27)
LATITUDE = 40°15'15.21" (40.254225)
LONGITUDE = 110°13'57.63" (110.232675)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789-1017

SCALE: 1" = 1000'	DATE SURVEYED: 11-16-10	DATE DRAWN: 12-06-10
PARTY: M.A. C.K. C.H.	REFERENCES: G.L.O. PLAT	
WEATHER: COOL	FILE: HARVEST (US) HOLDINGS, INC.	

'APIWellNo:43013505610000'



LEGEND:

PROPOSED LOCATION

N

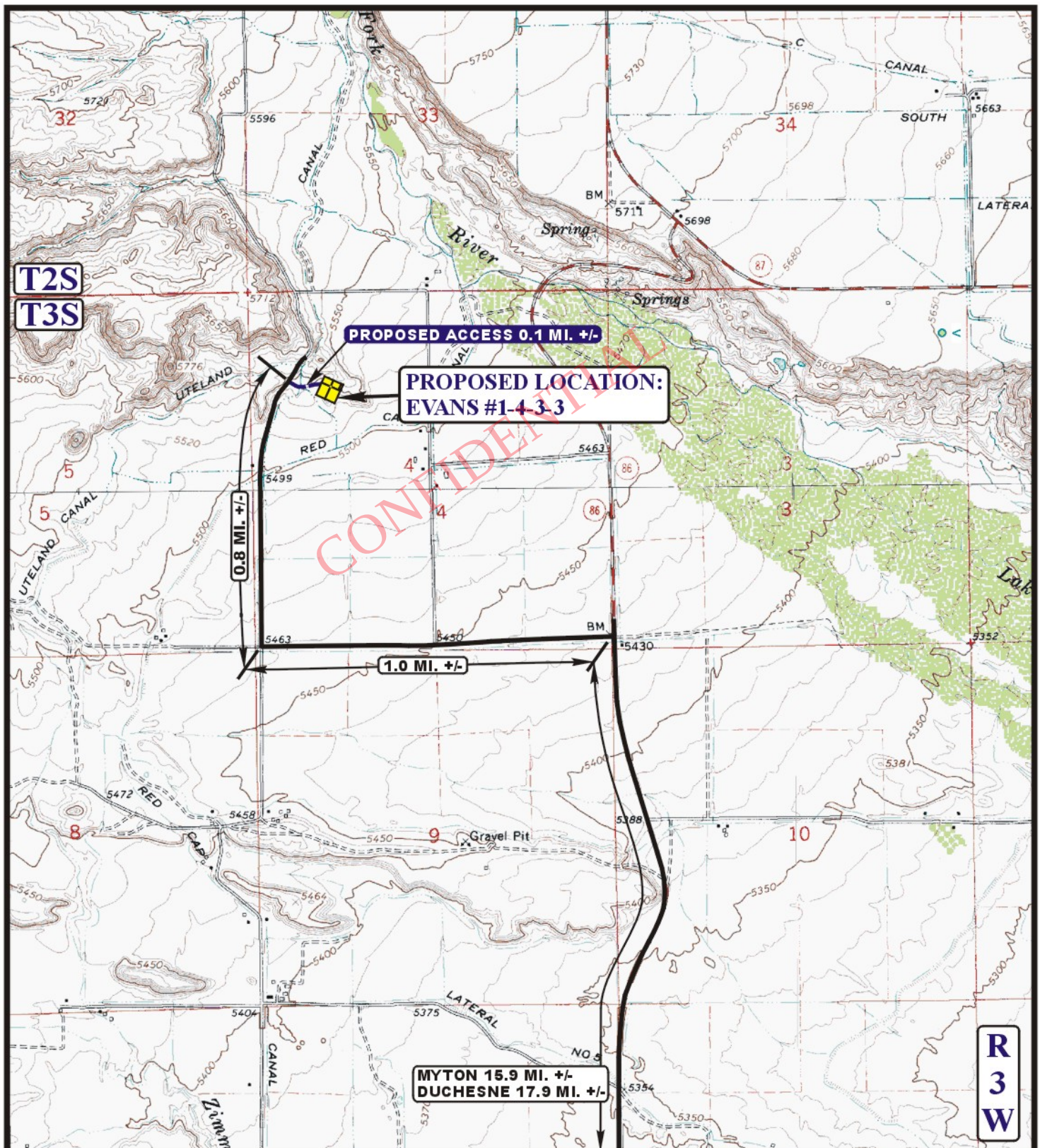
HARVEST (US) HOLDINGS, INC.

EVANS #1-4-3-3
SECTION 4, T3S, R3W, U.S.B.&M.
1385' FNL 1181' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	10 DAY	10 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: S.L.	REVISED: 00-00-00		

'APIWellNo:43013505610000'



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

HARVEST (US) HOLDINGS, INC.

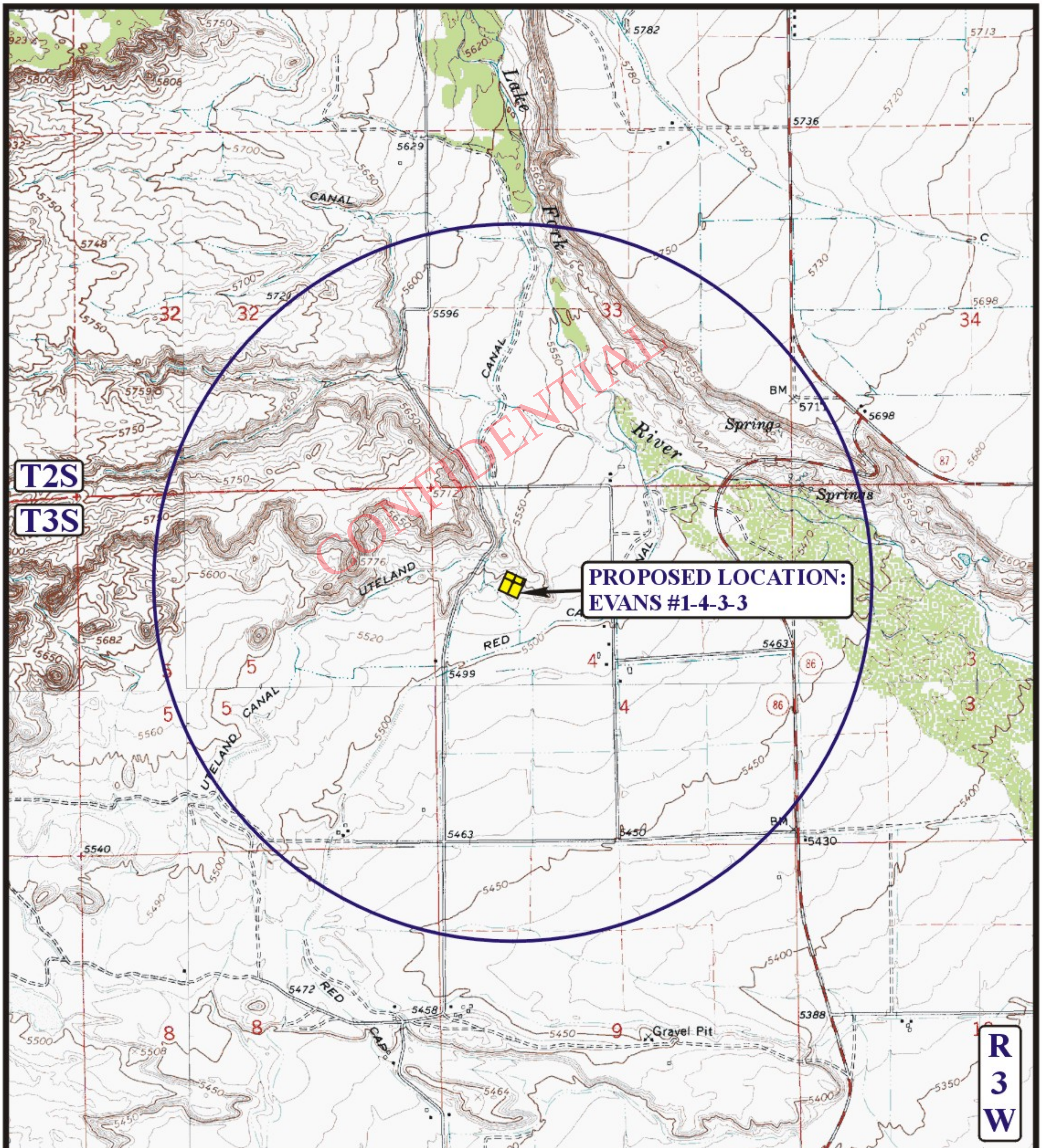
EVANS #1-4-3-3
SECTION 4, T3S, R3W, U.S.B.&M.
1385' FNL 1181' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 12 MONTH | 10 DAY | 10 YEAR | B TOPO

SCALE: 1" = 2000' | DRAWN BY: S.L. | REVISED: 00-00-00

'APIWellNo:43013505610000'



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

HARVEST (US) HOLDINGS, INC.

EVANS #1-4-3-3
SECTION 4, T3S, R3W, U.S.B.&M.
1385' FNL 1181' FWL

UELS
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP

MONTH	DAY	YEAR
12	10	10

SCALE: 1" = 2000' | DRAWN BY: S.L. | REVISED: 00-00-00

C TOPO

'APIWellNo:43013505610000'

ROAD RIGHT-OF-WAY AGREEMENT

STATE OF UTAH }
}:SS
COUNTY OF DUCHESNE }

Ent 430457 Bk M355 Pg 126
Date: 14-DEC-2010 3:10:00PM
Fee: $12.00 Check
Filed By: CRY
CAROLYNE MADSEN, Recorder
DUCHESNE COUNTY CORPORATION
For: LAND SERVICES INC

FOR AND IN CONSIDERATION OF TEN & 00/100ths DOLLARS ($10.00) and other good and valuable consideration, in hand paid to **Fred B. Evans and Angeline L. Evans, or their successor, as Trustees of the Fred and Angeline Evans Family Trust dated January 19 2006, of HC 64 Box 340, Duchesne, UT 84021,**

("GRANTOR"), the receipt and sufficiency of which is hereby acknowledge, does hereby grant to **Harvest (US) Holdings, Inc. of 1177 Enclave Parkway, Suite 300, Houston, Texas 77077**, its successors or assigns, a right-of-way to construct, maintain and use a road for the purpose of drilling, operating and maintaining a well or wells for the production of the oil and/or gas, and for the transportation of oil, gas, produced water, or other substances therein, under, on, over and through the premises hereinafter described, and the Grantee is granted the right of ingress and egress, over and across said road and lands for any purpose necessary or incidental to the drilling, operating and maintaining a well or wells owned by Grantee.

The said right-of-way shall be located over and across the following described lands owned by the Grantor in Duchesne County, State of Utah , to-wit:

Township 3 South-Range 3 West, USM, Section 4: Part of the S/2NW/4, see attached Plat(s) for the described right-of-way location:

To have and to hold said easements, rights, and right-of-way unto the said Grantee, its successors and assigns.

Grantor shall not place anything over or so close to any road, or other facility of Grantee as will be likely to interfere with Grantee's access thereto by use of equipment of means customarily employed in the maintenance of the road. Grantee to pay for all damage to growing crops, drainage tile and fences of Grantor arising out of the construction or repair of any of the roads, and facilities herein authorized to be maintained and operated by Grantee. This easement shall not exceed seventy (70') feet for construction and forty (66') feet permanent easement. Disturbed ground not in the permanent road easement to be reseeded at recommended seeding rates per Surface Owner once cleanup is completed.

The foregoing sets out the entire agreement between Grantor and Grantee, and supersedes any prior oral or written agreements or negotiations not set out in writing herein or in the oil and gas lease covering the above described lands. No provisions of this agreement shall be modified, altered or waived except by written amendment executed by the parties or their representatives as set forth below.

For the same consideration, the undersigned agree to account to any party who may be entitled to any portion of the aforementioned sum, and to indemnify and hold harmless **Harvest (US) Holdings, Inc.**, its successors and assigns, from any claim by any other party for damages to the above described lands and the improvements and crops and other things situated thereon.

Grantor shall be held harmless from any claim or demand made on the grounds of damage to property or injury to or death of persons, arising out of Grantee's exercise of the rights herein granted.

This agreement shall terminate within six (6) months after cessation of use by Grantee, at which time Grantee agrees to restore the surface of said land as nearly as is reasonably practical to its original condition.

This agreement shall be binding upon the successors and assigns of the parties hereto and shall be deemed to be a covenant running with the lands described above.

IN WITNESS WHEREOF, the GRANTOR and GRANTEE herein named have hereunto set their hand and seal this 14 day of December, 2010.

Fred B. Evans
Fred B. Evans, Trustee

Angeline L. Evans
Angeline L. Evans, Trustee

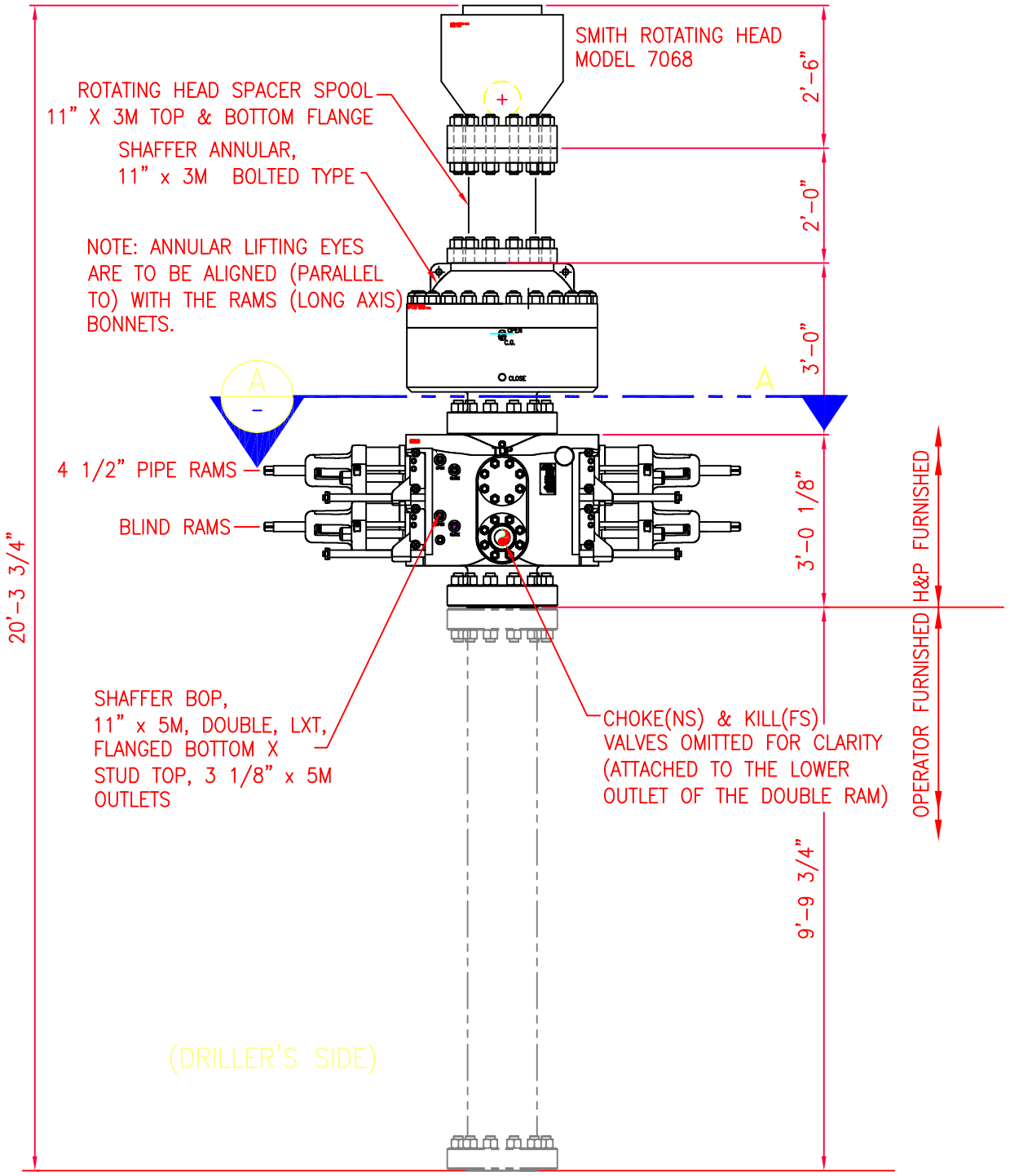
ACKNOWLEDGEMENT

STATE OF UTAH }
}:SS
COUNTY OF DUCHENSE }

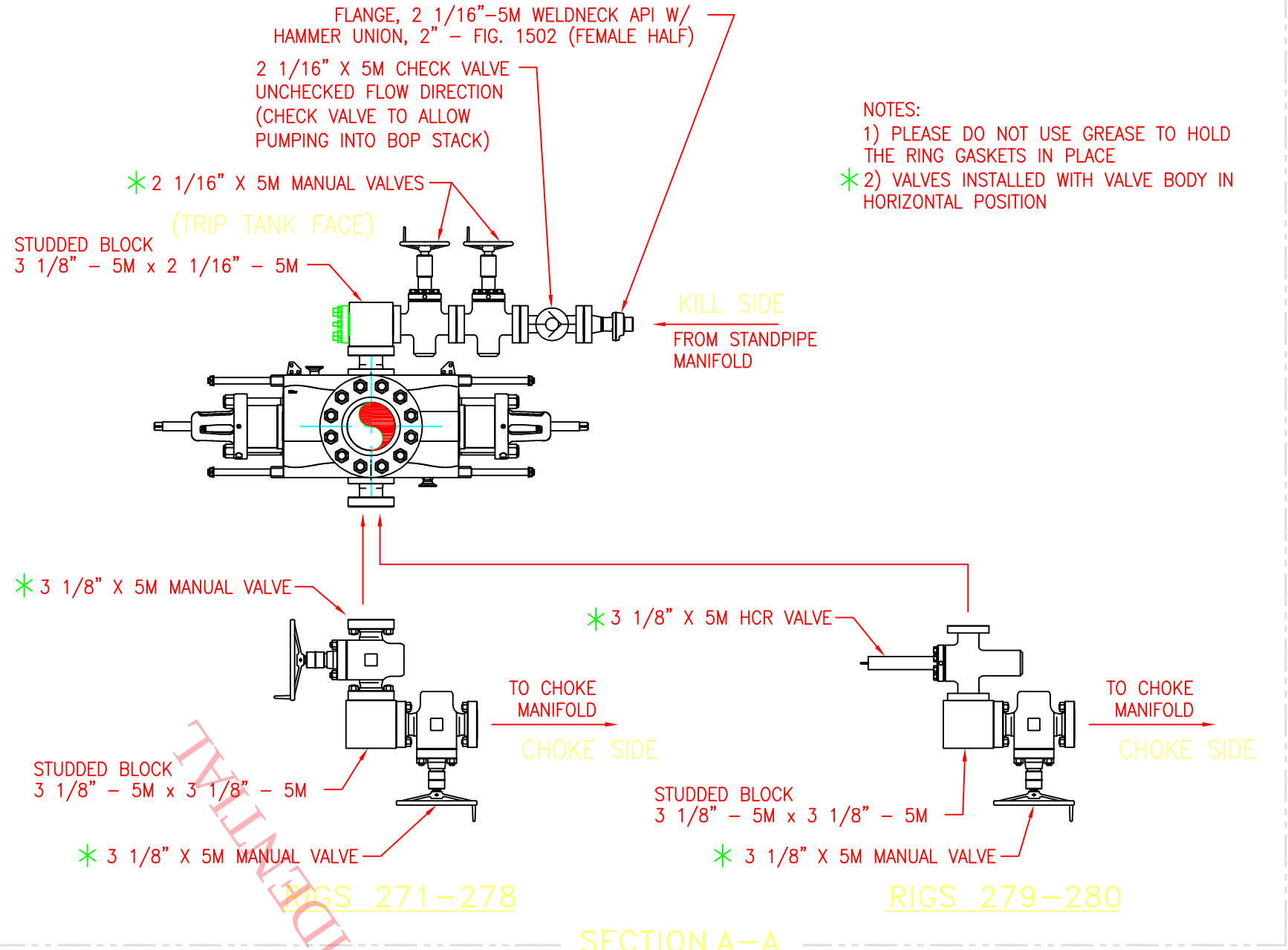
BEFORE me, the undersigned, a Notary Public in and fore said County and State, on this 14th day of December, 2010, personally appeared **Fred B. Evans and Angeline L. Evans, or their successor, as Trustees of the Fred and Angeline Evans Family Trust dated January 19, 2006,** me known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.

Bobby Ray Mitchell Notary Public

Notary Public
BOBBY RAY MITCHELL
Commission #602995
My Commission Expires
November 05, 2014
State of Utah



ELEVATION VIEW
(V-DOOR FACE)



SECTION A-A

ISSUED FOR FABRICATION
April-26-2007
DRAFTSMAN
ENGINEER

NOTES:
1) TORQUE VALUES ARE FOR GREASED THREADS AND NUT FACES.
2) FOR XYLAN AND SURMAGARD COATED BOLTS, USE CF=0.07; FOR ZINC AND UNCOATED BOLTS, USE CF=0.13

PROPER TORQUE FOR BOLTS

COMPONENT	FLANGE SIZE & RATING	BOLT SIZE	TORQUE (FT/LBS)	
			CF=0.07	CF=0.13
RAMS AND SPOOLS	11"x5M	1 7/8" DIA.	1890	3330
ROTATING HEAD & ANNULAR	11"x3M	1 3/8" DIA.	739	1280
CHOKE VALVES	3 1/8x5M	1 1/8" DIA.	401	686
KILL VALVES	2 1/16x5M	7/8" DIA.	188	319

BOP ARRANGEMENTS

WILLIAM'S RIGS 271 - 280	SHTS 1 - 3
BP RIGS 307 - 311	SHTS 4 - 6
ENCANA RIGS 288 & 289	SHTS 7 - 9
MARATHON RIGS 319 & 324	SHTS 10, 11, & 12
ALL OTHER F4S RIGS	SHTS 8, 9, & 10

REV	DATE	DESCRIPTION	BY	ENGINEERING APPROVAL	DATE
E	09-18-06	CHG'D CUSTOMER TO WILLIAMS; ADDED SHTS 7-9; CORRECTED HEIGHT OF RAM	MWL		
D	09-07-06	CHG'D CUSTOMER TO WILLIAMS PRODUCTION; ADDED SHEETS 2 THRU 6	MWL		
C	4-25-07	ADDED MARATHON RIGS 314 & 324 AND PAGE NUMBERS REVISED	JBG		
B	02-26-07	ADDED NOTE & SHEET 10	MWL		
A	11/28/06	ADDED CHOKE ARRANGEMENT FOR RIGS 279-280	LT		

HELMERICH & PAYNE
INTERNATIONAL DRILLING CO.

TITLE: BOP ARRANGEMENT FOR F4S

CUSTOMER: WILLIAMS PRODUCTION (RIGS 271 - 280)

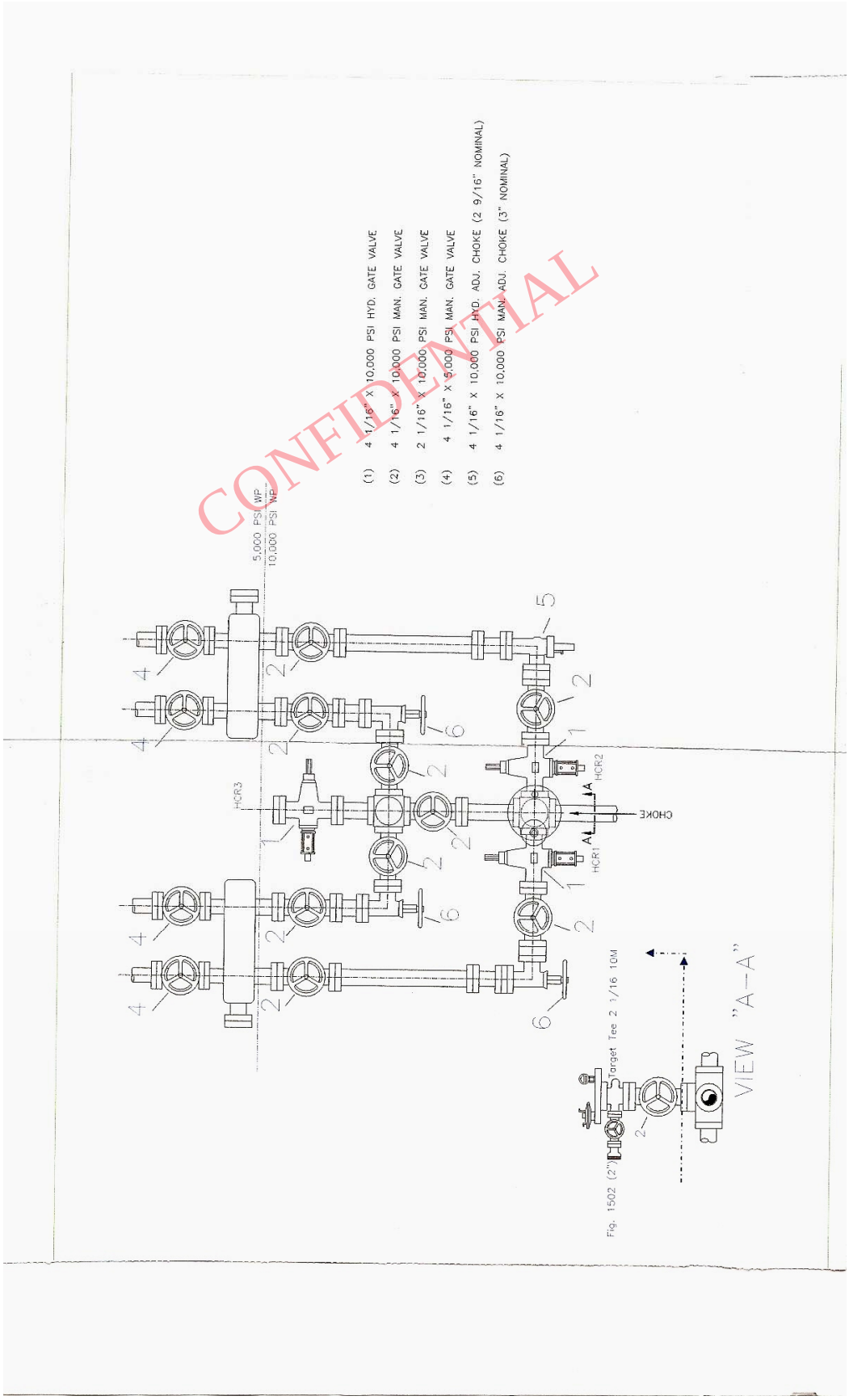
PROJECT: F4S

DRAWN: BDB | DATE: 11.30.05 | DWG. NO.: F4S-H-203 | REV: H

SCALE: 3/4"=1'-0" | SHEET: 1 OF 12

'APIWellNo:43013505610000'

CONFIDENTIAL STATUS



'APIWellNo:43013505610000'

B&A Buys & Associates, Inc.
Environmental Consultants

2580 Creekview Road
Moab, Utah 84532
435/719-2018

December 20, 2010

Mrs. Diana Mason
State of Utah
Division of Oil Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Request for Exception to Spacing – Harvest (US) Holdings, Inc. – **Evans #1-4-3-3**
1,385' FNL & 1,181' FWL, SW/4 NW/4, Section 4, T3S, R3W, USB&M
Duchesne County, Utah

Dear Diana:

Harvest (US) Holdings, Inc. respectfully submits this request for exception to spacing (R649-3-2) based on topography since the well is located less than 460' to the drilling unit boundary. Harvest (US) Holdings, Inc. is the only owner and operator within 460' of the surface and target location as well as all points along the intended well bore path and are not within 460 feet of any uncommitted tracts or a unit boundary.

Thank you very much for your timely consideration of this application. Please feel free to contact me at 435-719-2018 if you have any questions or need additional information.

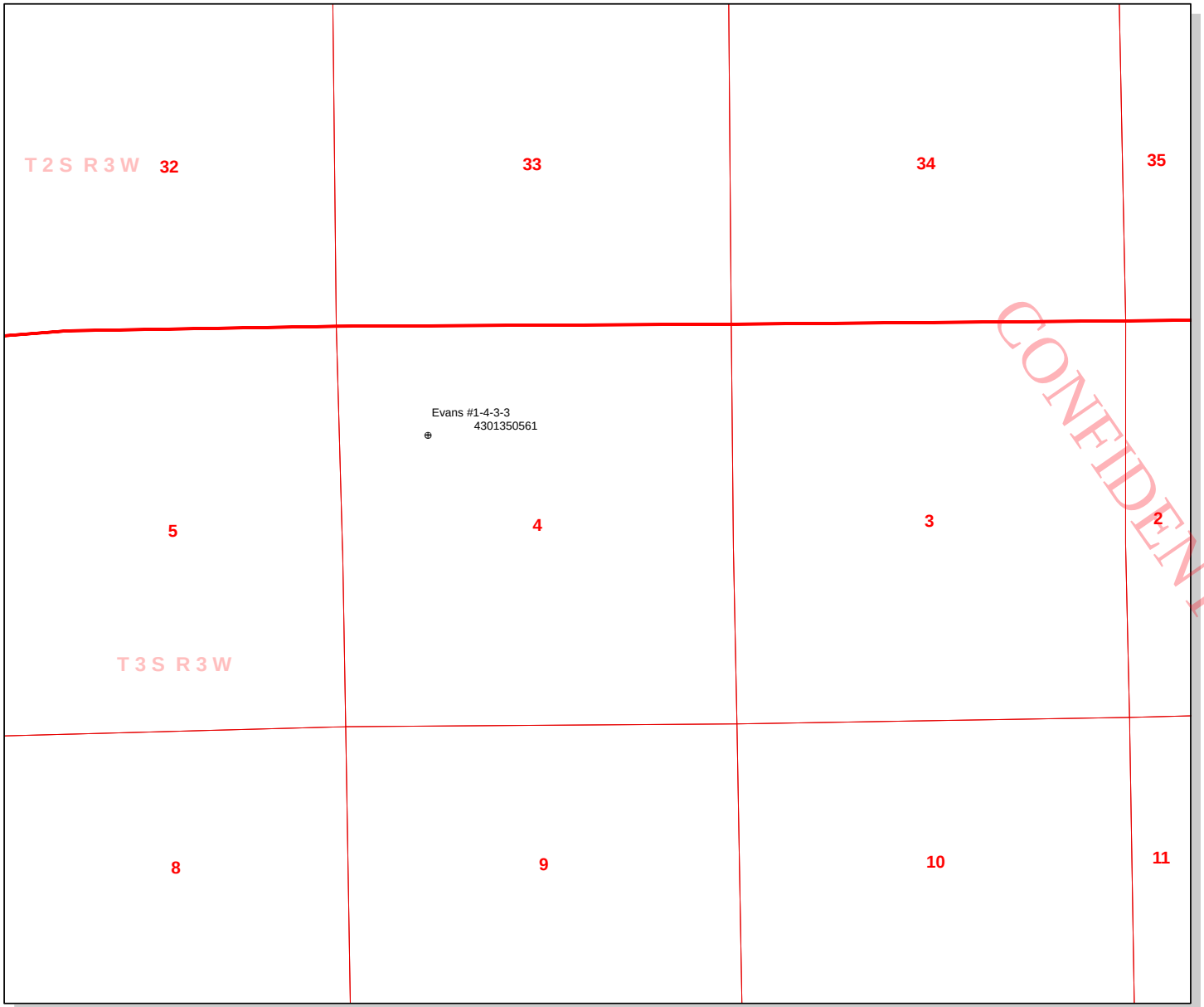
Sincerely,

Don Hamilton

Don Hamilton
Agent for Harvest (US) Holdings, Inc.

cc: Gil S. Porter, CPL, Harvest (US) Holdings, Inc.

'APIWellNo:43013505610000'



API Number: 4301350561

Well Name: Evans #1-4-3-3

Township 03.0 S Range 03.0 W Section 04

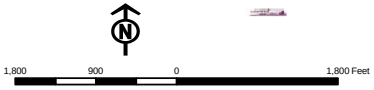
Meridian: UBM

Operator: HARVEST (US) HOLDINGS, INC

Map Prepared:
Map Produced by Diana Mason

SGID93.ENERGY.DNROilGasWells
<all other values>
Status
APD - Aproved Permit
DRL - Spuded (Drilling Commenced)
GIW - Gas Injection
GS - Gas Storage
LA - Location Abandoned
LOC - New Location
OPS - Operation Suspended
PA - Plugged Abandoned
PGW - Producing Gas Well
POW - Producing Oil Well
RET - Returned APD
SGW - Shut-in Gas Well
SOW - Shut-in Oil Well
TA - Temp. Abandoned
TW - Test Well
WDW - Water Disposal
WIW - Water Injection Well
WSW - Water Supply Well

Units
STATUS
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED
Fields
STATUS
Unknown
ABANDONED
ACTIVE
COMBINED
INACTIVE
STORAGE
TERMINATED
Sections
Township
Bottom Hole Location - AGRC



1:16,629

'APIWellNo:43013505610000'

State of Utah

GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

Office of the Governor
PUBLIC LANDS POLICY COORDINATION

JOHN HARJA
Director

January 10, 2011

Diana Mason
Petroleum Specialist
Department of Natural Resources, Division of Oil Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, UT 84114-5801

Subject: Harvest Holdings, Inc APD for Evans #1-4-3-3
RDCC Project No. 24500

Dear Ms. Mason:

The State of Utah, through the Public Lands Policy Coordination Office (PLPCO), has reviewed this project. Utah Code (Section 63J-4-601, *et. seq*.) designates PLPCO as the entity responsible to coordinate the review of technical and policy actions that may affect the physical resources of the state, and to facilitate the exchange of information on those actions among federal, state, and local government agencies. As part of this process, PLPCO makes use of the Resource Development Coordinating Committee (RDCC). The RDCC includes representatives from the state agencies that are generally involved or impacted by public lands management.

Division of Air Quality

Because fugitive dust may be generated during soil disturbance the proposed project will be subject to Air Quality rule R307-205-5 for Fugitive Dust. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules can be found at www.rules.utah.gov/publicat/code/r307/r307.htm

The state encourages the use of Best Management Processes (BMP s) in protecting air quality in Utah. The state recommends the following BMP s as standard operating procedures:

1) Emission Standards for Stationary Internal Combustion Engines of 2 g/bhp-hr of NOx for engines less than 300 HP (Tier 3) and 1 g/bhp-hr of NOx for engines over 300 HP (Tier 3).

2) No or low bleed controllers for Pneumatic Pumps, Actuators and other Pneumatic devices.

3) Green completion or controlled VOC emissions methods with 90% efficiency for Oil or Gas Atmospheric Storage Tanks, VOC Venting controls or flaring. Glycol Dehydration and Amine Units Units, VOC Venting controls or flaring, Well Completion, Re-Completion, Venting, and Planned Blowdown Emissions.

If compressors or pump stations are constructed at the site a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to R307-401: Permit: Notice of Intent and Approval Order, of the Utah Air Quality Rules. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm.

The State of Utah appreciates the opportunity to review this proposal and we look forward to working with you on future projects. Please direct any other written questions regarding this correspondence to the Public Lands Policy Coordination Office at the address below, or call Judy Edwards at (801) 537-9023.

Sincerely,

John Harja
Director

BOPE REVIEW **HARVEST (US) HOLDINGS, INC Evans #1-4-3-3 43013505610000**

Well Name	HARVEST (US) HOLDINGS, INC Evans #1-4-3-3 43013505610000			
String	Cond	Surf	I1	Prod
Casing Size(")	13.375	9.625	7.000	4.500
Setting Depth (TVD)	500	3000	8700	11650
Previous Shoe Setting Depth (TVD)	0	500	3000	8700
Max Mud Weight (ppg)	8.6	9.0	11.7	13.7
BOPE Proposed (psi)	500	500	5000	10000
Casing Internal Yield (psi)	1730	3520	11220	11220
Operators Max Anticipated Pressure (psi)	7774			12.8

Calculations	Cond String	13.375	"	
Max BHP (psi)	.052*Setting Depth*MW=	224		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	164	YES	air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	114	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	114	NO	
Required Casing/BOPE Test Pressure=		500	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi	*Assumes 1psi/ft frac gradient

Calculations	Surf String	9.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	1404		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1044	NO	possible air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	744	NO	Reasonable
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	854	NO	REasonable
Required Casing/BOPE Test Pressure=		2464	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		500	psi	*Assumes 1psi/ft frac gradient

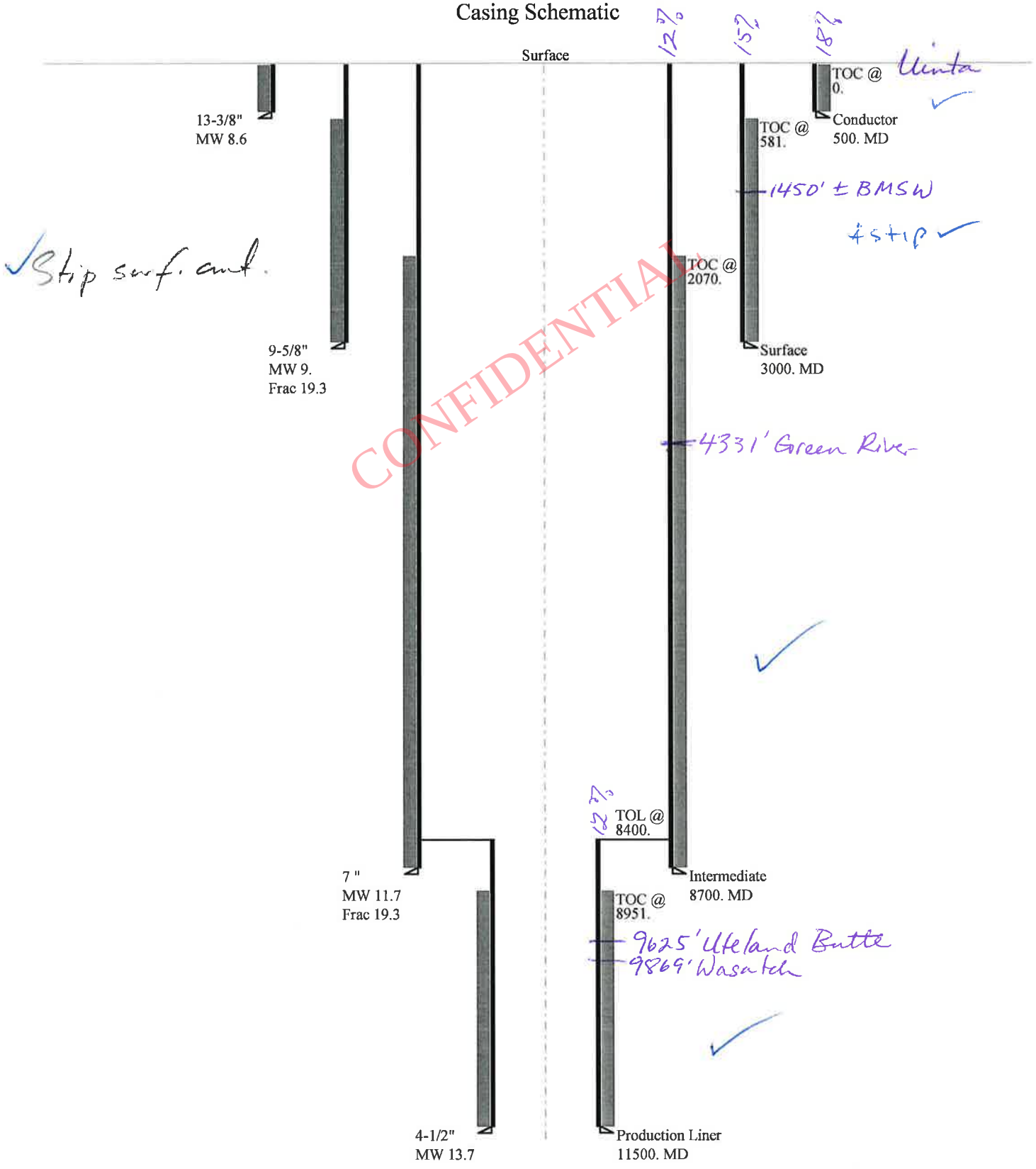
Calculations	I1 String	7.000	"	
Max BHP (psi)	.052*Setting Depth*MW=	5293		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	4249	YES	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3379	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	4039	NO	Reasonable
Required Casing/BOPE Test Pressure=		7854	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		3000	psi	*Assumes 1psi/ft frac gradient

Calculations	Prod String	4.500	"	
Max BHP (psi)	.052*Setting Depth*MW=	8299		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	6901	YES	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	5736	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	7650	YES	OK
Required Casing/BOPE Test Pressure=		7854	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		8700	psi	*Assumes 1psi/ft frac gradient

'APIWellNo:43013505610000'

43013505610000 Evans #1-4-3-3

Casing Schematic



'APIWellNo:43013505610000'

Well name:	**43013505610000 Evans #1-4-3-3**
Operator:	**HARVEST (US) HOLDINGS, INC**
String type:	Conductor
Project ID:	43-013-50561
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 8.600 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 163 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 223 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 437 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 81 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	500	13.375	48.00	H-40	ST&C	500	500	12.59	6199

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	223	740	3.313	223	1730	7.75	24	322	13.42 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: January 18,2011
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 500 ft, a mud weight of 8.6 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

'APIWellNo:43013505610000'

Well name:	**43013505610000 Evans #1-4-3-3**
Operator:	**HARVEST (US) HOLDINGS, INC**
String type:	Surface
Project ID:	43-013-50561
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 2,640 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 3,000 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 2,600 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 116 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 581 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 8,700 ft
Next mud weight: 11.700 ppg
Next setting BHP: 5,288 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 3,000 ft
Injection pressure: 3,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	3000	9.625	36.00	J-55	LT&C	3000	3000	8.796	24531

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1403	2020	1.440	3000	3520	1.17	108	453	4.19 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: January 18,2011
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 3000 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

'APIWellNo:43013505610000'

Well name:	**43013505610000 Evans #1-4-3-3**
Operator:	**HARVEST (US) HOLDINGS, INC**
String type:	Intermediate
Project ID:	43-013-50561
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 11.700 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 5,654 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 7,568 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 7,159 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 196 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 2,070 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 11,500 ft
Next mud weight: 13.700 ppg
Next setting BHP: 8,184 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 8,700 ft
Injection pressure: 8,700 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	8700	7	29.00	P-110	LT&C	8700	8700	6.059	98244

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	5288	8530	1.613	7568	11220	1.48	252.3	797	3.16 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: January 18,2011
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 8700 ft, a mud weight of 11.7 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

'APIWellNo:43013505610000'

Well name:	**43013505610000 Evans #1-4-3-3**
Operator:	**HARVEST (US) HOLDINGS, INC**
String type:	Production Liner
Project ID:	43-013-50561
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 13.700 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 5,654 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 8,184 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 10,873 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 235 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 8,951 ft

Liner top: 8,400 ft
Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	3100	4.5	13.50	P-110	LT&C	11500	11500	3.795	17371

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	8184	10680	1.305	8184	12410	1.52	41.8	338	8.08 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: January 18,2011
Salt Lake City, Utah

Remarks:
For this liner string, the top is rounded to the nearest 100 ft.Collapse is based on a vertical depth of 11500 ft, a mud weight of 13.7 ppg The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

'APIWellNo:43013505610000'

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator	HARVEST (US) HOLDINGS, INC				
Well Name	Evans #1-4-3-3				
API Number	43013505610000	**APD No**	3329	**Field/Unit**	WILDCAT
Location: 1/4,1/4	SWNW **Sec** 4 **Tw** 3.0S	**Rng** 3.0W	1385 FNL	1181 FWL	
GPS Coord (UTM)	565259 4456048	**Surface Owner**	Fred and Angeline Evans Family Trust		

Participants

Floyd Bartlett (DOGM), Jeff Schrutka and Zander Mcintyre (Harvest (US) Holdings, INC), Fred Evans (Surface Owner)

Regional/Local Setting & Topography

The general area is approximately 7 air miles north of Bridgeland, Duchesne County Utah in the Arcadia area. Access from Myton, Utah is following paved Duchesne County roads approximately 17.7 miles and an access road to be constructed across private land for 0.1 miles. The Lake Fork River is approximately 2 miles to the northwest. No other perennial streams or springs are known to exist in the immediate area. The topography is at the edge of elevated rough clayey dominated terrain to the northwest sloping to gentle flat cultivated bottomlands to the south and east.

The proposed Evans #1-4-3-3 oil well location is at the south edge of a broken clayey hill on the north and extends to a somewhat flat wheel line irrigated agricultural field to the south and west. The steep hillside is intersected by two short deep swales running in a southerly direction. The center ridge will be excavated, moving the fill both to the east and west filling these swales. Maximum cut is 22.7 feet at Location Corner 5 on the north with a maximum fill of 18.8 feet at Location Corner 7 on the southeast. Cut at the well location is 11.1 feet. A constructed diversion is needed around the northwest corner of the location to intercept runoff from the mostly barren slope above. Also, a diversion should be considered around the northeast corner and constructed as needed. The specific site was selected at the request of the surface owner, Mr. Fred Evans so as to avoid most of his agricultural land. A portion of the southwest corner of the pad will be on irrigated lands. A buried irrigation pipeline with risers exists in this corner. It will be relocated by Harvest as agreed to by Mr. Evans. A Duchesne County road is to the west and continues around the site to the north. Access to the pad will be from this road. Only a single access is planed where the road enters the pad. It will be located to the south of the road shown on the Location Layout Sheet (Figure 1). The selected site appears to be an acceptable location for constructing a pad, drilling and operating a well. The well will be drilled vertically with a planned depth of 11,500 feet.

Surface Use Plan

Current Surface Use
Grazing
Agricultural

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.1	**Width** 300 **Length** 300	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

The site was covered with approximately 14 inches of snow. Most of the site is expected to be barren. A small amount of greasewood was noted. Annuals and other weedy species are expected. Alfalfa is on the portion of the site which is under irrigation. Identified vegetation on the area is mostly greasewood with a few scattered annuals.

Cattle, deer, small mammals and birds.

Soil Type and Characteristics

Shallow mixed clay with some rock.

Erosion Issues Y

Sedimentation Issues Y

Site Stability Issues N

Drainage Diverson Required? Y

A constructed diversion is needed around the northwest corner of the location to intercept runoff from the mostly barren slope above. Also, a diversion should be considered around the northeast corner and constructed as needed.

Berm Required? Y

Erosion Sedimentation Control Required? Y

A constructed diversion is needed around the northwest corner of the location to intercept runoff from the mostly barren slope above. Also, a diversion should be considered around the northeast corner and constructed as needed.

Paleo Survey Run? N **Paleo Potental Observed?** N **Cultural Survey Run?** N **Cultural Resources?** N

Reserve Pit

Site-Specific Factors		Site Ranking	
Distance to Groundwater (feet)	100 to 200	5	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)	>1320	0	
Native Soil Type	Low permeability	0	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	10	3 Sensitivity Level

Characteristics / Requirements

No reserve pir is planned. The well will be drilled using a closed loop mud circulating system. A 30’ x 80’ x 8’ deep pit to hold the cuttings is planned along the northeast side of the location.

Closed Loop Mud Required? Y **Liner Required?** N **Liner Thickness** **Pit Underlayment Required?** N

Other Observations / Comments

Floyd Bartlett	1/3/2011
Evaluator	**Date / Time**

'APIWellNo:43013505610000'

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
3329	43013505610000	LOCKED	OW	P	No

Operator	HARVEST (US) HOLDINGS, INC	**Surface Owner-APD**	Fred and Angeline Evans Family Trust
Well Name	Evans #1-4-3-3	**Unit**	
Field	WILDCAT	**Type of Work**	DRILL
Location	SWNW 4 3S 3W U 1385 FNL 1181 FWL	GPS Coord (UTM)	565257E 4456045N

Geologic Statement of Basis

Harvest proposes to set 500' of conductor and 3000' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 1,450'. A search of Division of Water Rights records shows 25 water wells within a 10,000 foot radius of the center of Section 4. All wells are privately owned. Depth is listed as ranging from 30 to 910 feet. Depths are not listed for 3 wells. Average depth is approximately 200 feet. Water use is listed as irrigation, stock watering, and domestic use. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed cement and casing programs should adequately protect usable ground water in the area.

Brad Hill	1/13/2011
APD Evaluator	**Date / Time**

Surface Statement of Basis

The general area is approximately 7 air miles north of Bridgeland, Duchesne County Utah in the Arcadia area. Access from Myton, Utah is following paved Duchesne County roads approximately 17.7 miles and an access road to be constructed across private land for 0.1 miles. The Lake Fork River is approximately 2 miles to the northwest. No other perennial streams or springs are known to exist in the immediate area. The topography is at the edge of elevated rough clayey dominated terrain to the northwest sloping to gentle flat cultivated bottomlands to the south and east.

The proposed Evans #1-4-3-3 oil well location is at the south edge of a broken clayey hill on the north and extends to a somewhat flat wheel line irrigated agricultural field to the south and west. The steep hillside is intersected by two short deep swales running in a southerly direction. The center ridge will be excavated, moving the fill both to the east and west filling these swales. Maximum cut is 22.7 feet at Location Corner 5 on the north with a maximum fill of 18.8 feet at Location Corner 7 on the southeast. Cut at the well location is 11.1 feet. A constructed diversion is needed around the northwest corner of the location to intercept runoff from the mostly barren slope above. Also, a diversion should be considered around the northeast corner and constructed as needed. The specific site was selected at the request of the surface owner, Mr. Fred Evans so as to avoid most of his agricultural land. A portion of the southwest corner of the pad will be on irrigated lands. A buried irrigation pipeline with risers exists in this corner. It will be relocated by Harvest as agreed to by Mr. Evans. A Duchesne County road is to the west and continues around the site to the north. Access to the pad will be from this road. Only a single access is planed where the road enters the pad. It will be located to the south of the road shown on the Location Layout Sheet (Figure 1). The selected site appears to be an acceptable location for constructing a pad, drilling and operating a well. The well will be drilled vertically with a planned depth of 11,500 feet.

Mr. Schrutka requested permission to begin construction of the pad within a few days, prior to receiving the Permit to Drill. He was told that DOGM does not like to see this occur, but would not prohibit it if it is

'APIWellNo:43013505610000'

acceptable to the surface owner and written consent was obtained. The APD must be followed as presented or changed during the site visit. Mr. Schurtka agreed to this and construction may be started.

Reclamation of the site was mentioned to Mr. Evans. He stated he would rather see the location left as constructed rather than re-contouring the hillside to near the original topography. Mr. Evans had no concerns regarding the proposal. A signed surface use agreement exists.

The well will be drilled using a closed loop mud circulating system. A 30' x 80' x 8' deep pit to hold the cuttings is planned along the northeast side of the location. With the clay dominated soil in the area little or no seepage of the limited fluids in the cuttings should occur from the pit. No liner is required. If during construction of the pit, unusual circumstances such as fractured rock formations or sandy soils are encountered, DOGM should be contacted for re-evaluation.

Floyd Bartlett	1/3/2011
Onsite Evaluator	**Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A closed loop mud circulation system is required for this location.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The cuttings pit shall be fenced upon completion of drilling operations.

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/20/2010 **API NO. ASSIGNED:** 43013505610000

WELL NAME: Evans #1-4-3-3

OPERATOR: HARVEST (US) HOLDINGS, INC (N3520) **PHONE NUMBER:** 435 719-2018

CONTACT: Don Hamilton

PROPOSED LOCATION: SWNW 04 030S 030W **Permit Tech Review:** ☑

SURFACE: 1385 FNL 1181 FWL **Engineering Review:** ☑

BOTTOM: 1385 FNL 1181 FWL **Geology Review:** ☑

COUNTY: DUCHESNE

LATITUDE: 40.25421 **LONGITUDE:** -110.23267

UTM SURF EASTINGS: 565257.00 **NORTHINGS:** 4456045.00

FIELD NAME: WILDCAT

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee **PROPOSED PRODUCING FORMATION(S):** WASATCH

SURFACE OWNER: 4 - Fee **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** STATE/FEE - B004657
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** Neil Moon Pond
- ☑ **RDCC Review:** 2011-01-20 00:00:00.0
- ☑ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ☑ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: R649-3-3

Effective Date:

Siting:

- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:

1 - Exception Location - bhill
5 - Statement of Basis - bhill
12 - Cement Volume (3) - ddoucet
21 - RDCC - dmason
23 - Spacing - dmason

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: Evans #1-4-3-3
API Well Number: 43013505610000
Lease Number: Fee
Surface Owner: FEE (PRIVATE)
Approval Date: 1/24/2011

Issued to:
HARVEST (US) HOLDINGS, INC, 1177 Enclave Parkway, Houston, TX 77077

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-3. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:
Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. The operator will be required to comply with any applicable recommendations resulting from this review. (See attached)

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 9 5/8" surface casing string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to surface as indicated in the submitted drilling plan.

Additional Approvals:
The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at https://oilgas.ogm.utah.gov
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

Contact Information:
The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
  801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
  801-942-0871 - after office hours

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

Approved By:

Brad Hill
For John Rogers
Associate Director, Oil & Gas

API Well No: 43013505610000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
Fee

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
EVANS #1-4-3-3

2. NAME OF OPERATOR:
HARVEST (US) HOLDINGS, INC

9. API NUMBER:
43013505610000

3. ADDRESS OF OPERATOR:
1177 Enclave Parkway , Houston, TX, 77077

PHONE NUMBER:
281 899-5722 Ext

9. FIELD and POOL or WILDCAT:
WILDCAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1385 FNL 1181 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNW Section: 04 Township: 03.0S Range: 03.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ **NOTICE OF INTENT**
Approximate date work will start:

☐ **SUBSEQUENT REPORT**
Date of Work Completion:

☐ **SPUD REPORT**
Date of Spud:

✓ **DRILLING REPORT**
Report Date:
2/5/2011

TYPE OF ACTION

☐ **ACIDIZE**	☐ **ALTER CASING**	☐ **CASING REPAIR**
☐ **CHANGE TO PREVIOUS PLANS**	☐ **CHANGE TUBING**	☐ **CHANGE WELL NAME**
☐ **CHANGE WELL STATUS**	☐ **COMMINGLE PRODUCING FORMATIONS**	☐ **CONVERT WELL TYPE**
☐ **DEEPEN**	☐ **FRACTURE TREAT**	☐ **NEW CONSTRUCTION**
☐ **OPERATOR CHANGE**	☐ **PLUG AND ABANDON**	☐ **PLUG BACK**
☐ **PRODUCTION START OR RESUME**	☐ **RECLAMATION OF WELL SITE**	☐ **RECOMPLETE DIFFERENT FORMATION**
☐ **REPERFORATE CURRENT FORMATION**	☐ **SIDETRACK TO REPAIR WELL**	☐ **TEMPORARY ABANDON**
☐ **TUBING REPAIR**	☐ **VENT OR FLARE**	☐ **WATER DISPOSAL**
☐ **WATER SHUTOFF**	☐ **SI TA STATUS EXTENSION**	☐ **APD EXTENSION**
☐ **WILDCAT WELL DETERMINATION**	☐ **OTHER**	**OTHER:**

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
Attached please find the drilling reports ending 2-5-2011

CONFIDENTIAL – TIGHT HOLE

NAME (PLEASE PRINT) Don Hamilton **PHONE NUMBER** 435 719-2018	**TITLE** Permitting Agent (Buys & Associates, Inc)
SIGNATURE N/A	**DATE** 2/7/2011

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
02/22/2011

RECEIVED February 07, 2011

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**3-Feb-11**	**Current Operation:**	Drill to 60'	**Depth @ Midnight:**	12 '		
				Depth @ 06:00:	12 '	**Footage last 24 hrs:**	12 '
Spud Date:		**3-Feb-11**	**Days Since Spud:**	0			

Time Breakdown:

From:	To:	
0:00	0:00	Mobilize bucket Rig
		MI and RU Auger rig drilling equipment.
		Drill to 12'.
		SDFN

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**4-Feb-11**	**Current Operation:**	Run Casing	**Depth @ Midnight:**	56 '		
				Depth @ 06:00:	56 '	**Footage last 24 hrs:**	44 '
Spud Date:		**30-Nov-10**	**Days Since Spud:**	1			

Time Breakdown:

From:	To:	
0:00	0:00	Mobilize crews
8:00	14:00	Drill 24" hole to 56'.
14:00	0:00	SDFN - Waiting on Conductor

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**5-Feb-11**	**Current Operation:**	Drilling ahead @ 360'.	**Depth @ Midnight:**	250 '		
				Depth @ 06:00:	360 '	**Footage last 24 hrs:**	194 '
Spud Date:		**30-Nov-10**	**Days Since Spud:**	2			

Time Breakdown:

From:	To:	
0:00	0:00	Mobilize crews
8:00	14:00	Strap conductor & weld. Run to 56'.
14:00	0:00	RU & cement w/ 100 sxs of Class "G" + 4% CaCl2 + 0.25 pps Flocele. Cement to surface. RD Cementers
		WOC
		RD Bucket rig & RU Air Rig and equipment.
		PU BHA
		Drill from 56' to 250'

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

API Well No: 43013505610000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: EVANS #1-4-3-3

2. NAME OF OPERATOR: HARVEST (US) HOLDINGS, INC

9. API NUMBER: 43013505610000

3. ADDRESS OF OPERATOR: 1177 Enclave Parkway , Houston, TX, 77077

PHONE NUMBER: 281 899-5722 Ext

9. FIELD and POOL or WILDCAT: WILDCAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1385 FNL 1181 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 04 Township: 03.0S Range: 03.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ SPUD REPORT Date of Spud: 2/3/2011	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The well was spud on February 3, 2011 at 1000 hours utilizing Leon Ross Construction.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
2/8/2011

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Don Hamilton	435 719-2018	Permitting Agent (Buys & Associates, Inc)
SIGNATURE N/A		**DATE** 2/4/2011

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **HARVEST (US) HOLDINGS, INC**

Well Name: **EVANS #1-4-3-3**

Api No: **43-013-50561** Lease Type **FEE**

Section **04** Township **03S** Range **03W** County **DUCHESNE**

Drilling Contractor **LEON ROSS CONSTRUCTION** RIG #

SPUDDED:

Date **02/03/2011**

Time **10:00 AM**

How **DRY**

Drilling will Commence:

Reported by **DON HAMILTON**

Telephone # **(435) 719-2018**

Date **02/07/2011** **Signed** **CHD**

API Well No: 43013505610000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
Fee

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
EVANS #1-4-3-3

2. NAME OF OPERATOR:
HARVEST (US) HOLDINGS, INC

9. API NUMBER:
43013505610000

3. ADDRESS OF OPERATOR:
1177 Enclave Parkway , Houston, TX, 77077

PHONE NUMBER:
281 899-5722 Ext

9. FIELD and POOL or WILDCAT:
WILDCAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1385 FNL 1181 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNW Section: 04 Township: 03.0S Range: 03.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ **NOTICE OF INTENT** Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ **SUBSEQUENT REPORT** Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ **SPUD REPORT** Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ **DRILLING REPORT** Report Date: 1/12/2011	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached please find the drilling reports ending 2-12-2011

CONFIDENTIAL – TIGHT HOLE

NAME (PLEASE PRINT)	**PHONE NUMBER**	**TITLE**
Don Hamilton	435 719-2018	Permitting Agent (Buys & Associates, Inc)
SIGNATURE N/A		**DATE** 2/13/2011

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**6-Feb-11**	**Current Operation:**	Build Cellar & Location f/ H&P.		**Depth @ Midnight:**	538 '	
					Depth @ 06:00:	538 '	**Footage last 24 hrs:** 288 '
Spud Date:		**30-Nov-10**	**Days Since Spud:**	3			

Time Breakdown:

From:	To:	
0:00		Hookup Air/Mist Pump
		Drill 17 1/2" Hole to 510'
		Circulate
		Drill 17 1/2" Hole to 538'
		Circulate
		POOH to Surface
		Run 13 3/8" casing to 528.02
		MI & RU Cement trucks
		Cement 13 3/8" casing
		RD & DeMob cement trucks & Ross drilling equipment

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**7-Feb-11**	**Current Operation:**	Rig Down H&P #319 and beging rig move.		**Depth @ Midnight:**	538 '	
					Depth @ 06:00:	538 '	**Footage last 24 hrs:** 0 '
Spud Date:		**30-Nov-10**	**Days Since Spud:**	4			

Time Breakdown:

From:	To:	
0:00		Rigging down and preparing to move to location.

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**8-Feb-11**	**Current Operation:**	Mobilizing Rig & Rigging Up.		**Depth @ Midnight:**	538 '	
					Depth @ 06:00:	538 '	**Footage last 24 hrs:** 0 '
Spud Date:		**30-Nov-10**	**Days Since Spud:**	5			

Time Breakdown:

From:	To:	
0:00		Rigging down and moving to location.
		100% - Rig Down
		75% - Moved
		0% - Rigged Up

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**9-Feb-11**	**Current Operation:**	Rigging up	**Depth @ Midnight:**	538 '		
				Depth @ 06:00:	538 '	**Footage last 24 hrs:**	0 '
Spud Date:		**30-Nov-10**	**Days Since Spud:**	6			

Time Breakdown:

From:	To:	
0:00		
		100% - Rig Down
		100% - Moved
		50% - Rigged Up

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**10-Feb-11**	**Current Operation:**	Finish RU	**Depth @ Midnight:**	538 '		
				Depth @ 06:00:	538 '	**Footage last 24 hrs:**	0 '
Spud Date:		**30-Nov-10**	**Days Since Spud:**	7			

Time Breakdown:

From:	To:	
0:00		
		100% - Rig Down
		100% - Moved
		85% - Rigged Up

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**11-Feb-11**	**Current Operation:**	Unload DP & PU BHA		**Depth @ Midnight:**	538 '	
					Depth @ 06:00:	538 '	**Footage last 24 hrs:** 0 '
Spud Date:		**30-Nov-10**	**Days Since Spud:**	8			

Time Breakdown:

From:	To:	
0:00		
		100% - Rig Down
		100% - Moved
		99% - Rigged Up

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**12-Feb-11**	**Current Operation:**	Drill 12 1/4" hole		**Depth @ Midnight:**	562 '	
					Depth @ 06:00:	1,200 '	**Footage last 24 hrs:** 24 '
Spud Date:		**30-Nov-10**	**Days Since Spud:**	9			

Time Breakdown:

From:	To:	
0:00		Thaw lines
		PU & stand back DCs in the derrick
		PU BHA & GIH
		Tag cement 378'
		Line out surface solids control equipment.
		Drill cement to 421'

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

API Well No: 43013505610000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
Fee

SUNDRY NOTICES AND REPORTS ON WELLS

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7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
EVANS #1-4-3-3

2. NAME OF OPERATOR:
HARVEST (US) HOLDINGS, INC

9. API NUMBER:
43013505610000

3. ADDRESS OF OPERATOR:
1177 Enclave Parkway , Houston, TX, 77077

PHONE NUMBER:
281 899-5722 Ext

9. FIELD and POOL or WILDCAT:
WILDCAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1385 FNL 1181 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNW Section: 04 Township: 03.0S Range: 03.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ **NOTICE OF INTENT** Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ **SUBSEQUENT REPORT** Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ **SPUD REPORT** Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ **DRILLING REPORT** Report Date: 2/19/2011	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached please find the drilling reports ending 2-19-2011

CONFIDENTIAL – TIGHT HOLE

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Don Hamilton	435 719-2018	Permitting Agent (Buys & Associates, Inc)
SIGNATURE N/A		**DATE** 2/21/2011

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**13-Feb-11**	**Current Operation:**	Condition trip prior to running casing		**Depth @ Midnight:**	3,032 '	
					Depth @ 06:00:	3,032 '	**Footage last 24 hrs:** 2,470 '
Spud Date:		**30-Nov-10**	**Days Since Spud:**	10			

Time Breakdown:

From:	To:	
0:00		Drill cement to 562'
		Drill 12 1/4" hole to 2765' Surveying as needed. Observe water flow @ +/- 1600'.
		Drill 12 1/4" hole to 3032'
		Pump sweep to clean hole

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**14-Feb-11**	**Current Operation:**	POOH to run 9 5/8" casing		**Depth @ Midnight:**	3,032 '	
					Depth @ 06:00:	3,032 '	**Footage last 24 hrs:** 0 '
Spud Date:		**30-Nov-10**	**Days Since Spud:**	11			

Time Breakdown:

From:	To:	
0:00		Circulate hole clean
		POOH to shoe
		RIH tagging up @ 1480.
		Wash & Ream to 1555'
		RIH to 2915. Tag w/ 20Klbs.
		Wash to TD.
		Circulate increasing mud weight to halt water flow.
		POOH to shoe
		RIH w/ no problems
		Pump sweep & circulate hole clean.
		POOH.

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**15-Feb-11**	**Current Operation:**	RU to run casing.		**Depth @ Midnight:**	3,032 '	
					Depth @ 06:00:	3,032 '	**Footage last 24 hrs:** 0 '
Spud Date:		**30-Nov-10**	**Days Since Spud:**	12			

Time Breakdown:

From:	To:	
0:00		POOH to run 9 5/8" casing
		RU LD machine & LD all 8" tools.
		RU CRT
		PU 1 st jt.
		Level derrick
		Well flowing
		LD 9 5/8" casing
		MU BHA & GIH to 2000'.
		Circulate 12.1 ppg mud to surface.
		GIH to 2800'.
		Wash & Ream to TD
		Circulate 12.1 ppg around.
		Well continues to flow.
		Circulate 12.5 ppg.

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**16-Feb-11**	**Current Operation:**	Bullhead cement.		**Depth @ Midnight:**	3,032 '	
					Depth @ 06:00:	3,032 '	**Footage last 24 hrs:** 0 '
Spud Date:		**30-Nov-10**	**Days Since Spud:**	13			

Time Breakdown:

From:	To:	
0:00		Circulate sweep.
		POOH to run 9 5/8" casing
		RU CRT
		RU Lay down machine
		Run 9 5/8" casing
		RD CRT
		RU cementers

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**17-Feb-11**	**Current Operation:**	Bullhead cement.		**Depth @ Midnight:**	3,032 '	
					Depth @ 06:00:	3,032 '	**Footage last 24 hrs:** 0 '
Spud Date:		**30-Nov-10**	**Days Since Spud:**	14			

Time Breakdown:

From:	To:	
0:00		Cement 9 5/8" casing
		RD cementers
		Cleaned riser of cement
		Well started to flow
		Welded plate to isolate 9 5/8" x 13 3/8" casing
		Bullheaded 100 sxs of cement into annulus
		Hold cement
		RD cementers
		Annulus remaining static

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**18-Feb-11**	**Current Operation:**	Drlg Ahead		**Depth @ Midnight:**	3,032 '	
					Depth @ 06:00:	3,032 '	**Footage last 24 hrs:** 0 '
Spud Date:		**30-Nov-10**	**Days Since Spud:**	15			

Time Breakdown:

From:	To:	
0:00		Weld casing head & test.
		Center rig over wellbore
		Test all BOPs, choke manifold and lines.
		Run Gyro survey: surface to TD
		S&C D/L
		RIH w/ BHA

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**19-Feb-11**	**Current Operation:**	Drlg Ahead		**Depth @ Midnight:**	4,178 '	
					Depth @ 06:00:	3,032 '	**Footage last 24 hrs:** 1,146 '
Spud Date:		**30-Nov-10**	**Days Since Spud:**	16			

Time Breakdown:

From:	To:	
0:00		RIH to 2887' TOC
		Drill cement & FE. Test casing to 1500 psi. - Good.
		Drill Cement FE and 10' of formation to 3042'
		Perform LOT: 834 psig @ 3032' w/ 9.1 ppg: 14.29 ppg EMW
		Drill 8 3/4" hole to 3928'
		10 std short trip
		Drill 8 3/4" hole to 4178'

API Well No: 43013505610000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
Fee

SUNDRY NOTICES AND REPORTS ON WELLS

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7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
EVANS #1-4-3-3

2. NAME OF OPERATOR:
HARVEST (US) HOLDINGS, INC

9. API NUMBER:
43013505610000

3. ADDRESS OF OPERATOR:
1177 Enclave Parkway , Houston, TX, 77077

PHONE NUMBER:
281 899-5722 Ext

9. FIELD and POOL or WILDCAT:
WILDCAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1385 FNL 1181 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNW Section: 04 Township: 03.0S Range: 03.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

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TYPE OF SUBMISSION	TYPE OF ACTION		
☐ **NOTICE OF INTENT** Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
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☐ **SPUD REPORT** Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ **DRILLING REPORT** Report Date: 2/26/2011	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
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	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached please find the drilling reports ending 2-26-2011

CONFIDENTIAL – TIGHT HOLE

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Don Hamilton	435 719-2018	Permitting Agent (Buys & Associates, Inc)
SIGNATURE N/A		**DATE** 2/27/2011

Accepted by the
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EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**20-Feb-11**	**Current Operation:**	Drlg Ahead		**Depth @ Midnight:**	5,367 '	
					Depth @ 06:00:	5,600 '	**Footage last 24 hrs:** 1,189 '
Spud Date:		**3-Feb-11**	**Days Since Spud:**	17			

Time Breakdown:

From:	To:	
0:00		Drill 8 3/4" hole to 4955'
		Clean shakers of black tar.
		Drill 8 3/4" hole to 5341'
		10 std. short trip.
	0:00	Drill 8 3/4" hole to 5367'

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**21-Feb-11**	**Current Operation:**	Drilling Ahead @ 6400'		**Depth @ Midnight:**	5,910 '	
					Depth @ 06:00:	6,400 '	**Footage last 24 hrs:** 543 '
Spud Date:		**3-Feb-11**	**Days Since Spud:**	18			

Time Breakdown:

From:	To:	
0:00		Drill 8 3/4" hole to 5910'
		Ciculate prior to bit trip and raise MW to 10.1 ppg.
		POOH f/ bit change.
	0:00	

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**22-Feb-11**	**Current Operation:**	POOH to replace MWD tool.	**Depth @ Midnight:**	7,293 '		
				Depth @ 06:00:	7,293 '	**Footage last 24 hrs:**	1,383 '
Spud Date:		**3-Feb-11**	**Days Since Spud:**	19			

Time Breakdown:

From:	To:	
0:00		Wash and ream to TD at 5910'.
		Drill 8-3/4" hole with BHPDM to maintain deviation less than 2 degrees. Slide as required. Drilled from 5910' to 7293'.
		Circulate bottoms up and pump slug.
		POOH to replace MWD tool.
	0:00	

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**23-Feb-11**	**Current Operation:**	Drill / slide at 7942'	**Depth @ Midnight:**	7,942 '		
				Depth @ 06:00:	8,072 '	**Footage last 24 hrs:**	649 '
Spud Date:		**3-Feb-11**	**Days Since Spud:**	20			

Time Breakdown:

From:	To:	
0:00		Make trip for MWD failure. RIH with new UBHO & MWD tools and re-run bit.
		Drill and slide as necessary to control deviation from 7293' to 7942'.
	0:00	Mud weight at 11.1 ppg.

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**24-Feb-11**	**Current Operation:**	Drilling 8-3/4" hole at 8639'		**Depth @ Midnight:**	8,639 '	
					Depth @ 06:00:	8,769 '	**Footage last 24 hrs:** 697 '
Spud Date:		**3-Feb-11**	**Days Since Spud:**	21			

Time Breakdown:

From:	To:	
0:00		Drill / slide 8-3/4" hole from 7942' to 8639', increase mud weight to 11.5 ppg due to background gas.
		Pump LCM pill to control fluid losses. Stage pumps up to drilling rate.
		Drill 8-3/4" hole from 8639' to 8677', experiencing losses again.
	0:00	Spot 30 bbls LCM pill on bottom, build volume while allowing formation to heal.

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**25-Feb-11**	**Current Operation:**	Making wiper trip prior to POH for e-logs.	**Depth @ Midnight:**	9,668 '		
				Depth @ 06:00:	9,668 '	**Footage last 24 hrs:**	1,029 '
Spud Date:		**3-Feb-11**	**Days Since Spud:**	22			

Time Breakdown:

From:	To:	
0:00		Finish circ and conditioning hole w/ 11.5 ppg mud. Stage in the hole circulating with 100 spm.
		Drill 8-3/4" hole from 8677' to 9581' w/ BHPDM to control deviation.
		Service rig and top drive.
		Drill 8-3/4" hole from 9581' to 9668' w/ BHPDM to control deviation. Raised MW to 11.7 ppg to lower BGG (3000 units).
		Bit stopped drilling, no success trying drill off test. Bit worn out, will call 9668' intermediate casing point.
	0:00	Circ and condition mud. Pumped slug and made short trip to 7200'. Tight hole at 7659', reamed thru with 50K overpull.

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**26-Feb-11**	**Current Operation:**	Running Quad-Combo log.		**Depth @ Midnight:**	9,668 '	
					Depth @ 06:00:	9,668 '	**Footage last 24 hrs:** 1,029 '
Spud Date:		**3-Feb-11**	**Days Since Spud:**	23			

Time Breakdown:

From:	To:	
0:00		POOH for e-logs. Laid down all directional tools and bit.
		RU Halliburton logging equipment. Loggers generator malfunctioned, wait on backup generator.
		RU generator and function test.
	0:00	Ran Quad-Combo logs to 9656', several sections in the bottom part of the hole pulled tight with logging tool.

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

API Well No: 43013505610000

STATE OF UTAH
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DIVISION OF OIL, GAS, AND MINING

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7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
EVANS #1-4-3-3

2. NAME OF OPERATOR:
HARVEST (US) HOLDINGS, INC

9. API NUMBER:
43013505610000

3. ADDRESS OF OPERATOR:
1177 Enclave Parkway , Houston, TX, 77077

PHONE NUMBER:
281 899-5722 Ext

9. FIELD and POOL or WILDCAT:
WILDCAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1385 FNL 1181 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNW Section: 04 Township: 03.0S Range: 03.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
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TYPE OF SUBMISSION	TYPE OF ACTION		
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	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
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	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached please find the drilling reports ending 3-5-2011

CONFIDENTIAL – TIGHT HOLE

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Don Hamilton	435 719-2018	Permitting Agent (Buys & Associates, Inc)
SIGNATURE N/A		**DATE** 3/7/2011

Accepted by the
Utah Division of
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FOR RECORD ONLY

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**27-Feb-11**	**Current Operation:**	Running Quad-Combo log.	**Depth @ Midnight:**	9,668 '		
				Depth @ 06:00:	9,668 '	**Footage last 24 hrs:**	0 '
Spud Date:		**3-Feb-11**	**Days Since Spud:**	24			

Time Breakdown:

From:	To:	
0:00		Finished 1st logging run. Tight spots at 8515 - 8525', 8700 - 8720', and 8940 - 8950'.
		RD logging tools and truck to make wiper trip.
		MU bit and BHA and wiped each tight spot twice.
		At 9100', circ and condition hole, lost 17 bbls, pumped LCM pill and circulated around. Lost additional 23 bbls while circ.
		Wash and reamed to 9668' (TD). Circ and cond hole. Spot hi-vis pill on btm. POOH.
		RU Halliburton logging equipment and RIH with imaging tool. Tool not functioning properly (requiring high amperage).
		POH and change out imaging tool.
	0:00	RIH with new imaging tool and log well. Tight spots at 8230', 8560', and 8625' (low res gray shales on log).

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**28-Feb-11**	**Current Operation:**	LD BHA. Preparing to run 7" casing.	**Depth @ Midnight:**	9,668 '		
				Depth @ 06:00:	9,668 '	**Footage last 24 hrs:**	0 '
Spud Date:		**3-Feb-11**	**Days Since Spud:**	25			

Time Breakdown:

From:	To:	
0:00		Finish side wall coring operations, recovered 14 cores before tool failed.
		RD core tools and wireline equipment.
		RIH w/ BHA and DP to condition hole and LD drill pipe in preparation for next hole section. Circ & cond hole.
		RU lay down truck.
		Pump slug and blow down top drive.
		POOH and lay down DP. Loaded out DP and transported to Runners yard for inspection.
	0:00	Pull rotating head and lay down BHA.

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**1-Mar-11**	**Current Operation:**	Preparing to land 7" casing and cement string back to surface.		**Depth @ Midnight:**	9,668 '	
					Depth @ 06:00:	9,668 '	**Footage last 24 hrs:** 0 '
Spud Date:		**3-Feb-11**	**Days Since Spud:**	26			

Time Breakdown:

From:	To:	
0:00		Finish LD BHA. Loaded all DP and DC's and sent to Runners yard for inspection.
		RU CRT and ran 7" float shoe, two jts, float collar, and 7" casing to 9651'. Ran centralizers per program.
	0:00	Started washing casing to bottom, experienced fluid losses > 100 bbls. Waited for mud to be transported f/ storage.

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**2-Mar-11**	**Current Operation:**	7" Casing Cemented - WOC.		**Depth @ Midnight:**	9,668 '	
					Depth @ 06:00:	9,668 '	**Footage last 24 hrs:** 0 '
Spud Date:		**3-Feb-11**	**Days Since Spud:**	27			

Time Breakdown:

From:	To:	
0:00		Washed casing to 9646'. Space out casing with hanger ~ 12' above wellhead.
		Observed mud gain and circ well thru the choke.
		RU Halliburton and cemented 7" with shoe at 9646' and float collar at 9560'. CIP at 12:25 hrs.
		No casing test as cement head leaked. Floats held.
		Commenced ND BOPE, observed well flowing slightly ~1/2" stream on annulus. Shut-in well with annular preventer.
	0:00	Pressured up to ~ 200 psi and held until cement samples set (WOC).

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**3-Mar-11**	**Current Operation:**	Testing tubing hanger spool.		**Depth @ Midnight:**	9,668 '	
					Depth @ 06:00:	9,668 '	**Footage last 24 hrs:** 0 '
Spud Date:		**3-Feb-11**	**Days Since Spud:**	28			

Time Breakdown:

From:	To:	
0:00		WOC, flow check positive. Injection test with rig pump down annulus at 0.44 bpm @ 1000 psi.
		Wait on Halliburton while holding pressure on annulus (130 to 210 psi). Attempt injection test with Halliburton w/o
		success (no injection). Bled off annulus pressure and flow checked (negative).
		N/D 11" BOPE.
	0:00	Final cut 7" casing and NU/test tubing hanger spool to 5000 psi, good test.

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**4-Mar-11**	**Current Operation:**	PU 6" BHA.		**Depth @ Midnight:**	9,668 '	
					Depth @ 06:00:	9,668 '	**Footage last 24 hrs:** 0 '
Spud Date:		**3-Feb-11**	**Days Since Spud:**	29			

Time Breakdown:

From:	To:	
0:00		NU/Test 7" 10M BOPE.
		Dress top drive for slimhole drill string.
		Slip & Cut drill line.
	0:00	RU lay down truck and make up 6" BHA.

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**5-Mar-11**	**Current Operation:**	Drilling 6" Hole at 9808'.		**Depth @ Midnight:**	9,808 '	
					Depth @ 06:00:	9,824 '	**Footage last 24 hrs:** 140 '
Spud Date:		**3-Feb-11**	**Days Since Spud:**	30			

Time Breakdown:

From:	To:	
0:00		RIH picking up 3-1/2" drill pipe.
		Wash 99' to plugs.
		Circulate hole, RU to test casing. Test 7" casing to 1500 psi, good test.
		Drill plugs/float collar + 40' cement. Circulate hole. Test 7" casing to 1500 psi, good test.
		Drill remainder of shoe track + 10' new hole to 9678'.
		Circulate and perform LOT to EMW = 17.08 ppge.
	0:00	Drill 6" hole from 9678 to 9808'.

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

Carol Daniels - Evans # 1-4-3-3 API # 43013505610000

From: "Field Supervisor"
To: "Dennis Ingram" , "Carol Daniels" , "Chrissy Vance" , "Dan Jarvis" , "Don Hamilton" , "Dustin Doucet" , "Jeff Schrutka" , "Victor King"
Date: 2/28/2011 3:19 PM
Subject: Evans # 1-4-3-3 API # 43013505610000 T03S R03W S04

Please accept this email as our notification of running and cementing our 7" intermediate casing to depth of 9668' on Tuesday March 1, 2011. Running casing operations should start roughly @ Midnight on the 28th of February and continue for approximately 10 hours. Cementing operations should commence on Tuesday the 1st at approximately noon. Thanks

Bill Calobreves
Harvest Natural Resources
435-970-2060

Carol Daniels - BOP test

EVANS #1-4-3-3
N3520-Harvest API # 43-013-50561
T03S R03W S-04

From: "Field Supervisor"
To: "Dennis Ingram" , "Carol Daniels" , "Chrissy Vance" , "Dan Jarvis" , "Don Hamilton" , "Dustin Doucet" , "Jeff Schrutka" , "Victor King"
Date: 3/2/2011 8:58 AM
Subject: BOP test

Please let this email serve as our notice of BOP test which we plan to do this evening 2/2/11. We plan to nipple up a 7 1/16 x 10M BOP and test to 10K. Thanks

Bill Calobreves
Harvest Natural Resources
435-790-2060

CONFIDENTIAL

Carol Daniels - RE: BOP test

N3520 - Harvest

Evans #1-4-3-3
API # 43-013-50561
T03S R03W S-04

From: Carol Daniels
To: Field Supervisor
Subject: RE: BOP test

Thanks for the reply. If it was the only well in drilling status I would have been sure what well it was but their are several wells in drilling.

>>> "Field Supervisor" <fieldsuper@harvestnr.com> 3/2/2011 12:44 PM >>>

Sorry...I always think everyone is suppose to know what I am doing...this is the Evans # 1-4-3-3 API # 43013505610000. Once again I apologize for my error. Thanks

Bill

From: Carol Daniels [mailto:caroldaniels@utah.gov]
Sent: Wednesday, March 02, 2011 10:36 AM
To: Field Supervisor
Subject: Re: BOP test

What well is this for?

>>> "Field Supervisor" <fieldsuper@harvestnr.com> 3/2/2011 8:27 AM >>>

Please let this email serve as our notice of BOP test which we plan to do this evening 2/2/11. We plan to nipple up a 7 1/16 x 10M BOP and test to 10K. Thanks

Bill Calobreves

Harvest Natural Resources

435-790-2060

API Well No: 43013505610000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
Fee

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
EVANS #1-4-3-3

2. NAME OF OPERATOR:
HARVEST (US) HOLDINGS, INC

9. API NUMBER:
43013505610000

3. ADDRESS OF OPERATOR:
1177 Enclave Parkway , Houston, TX, 77077

PHONE NUMBER:
281 899-5722 Ext

9. FIELD and POOL or WILDCAT:
WILDCAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1385 FNL 1181 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNW Section: 04 Township: 03.0S Range: 03.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ **NOTICE OF INTENT**
Approximate date work will start:

☐ **SUBSEQUENT REPORT**
Date of Work Completion:

☐ **SPUD REPORT**
Date of Spud:

✓ **DRILLING REPORT**
Report Date:
3/12/2011

TYPE OF ACTION

☐ **ACIDIZE**	☐ **ALTER CASING**	☐ **CASING REPAIR**
☐ **CHANGE TO PREVIOUS PLANS**	☐ **CHANGE TUBING**	☐ **CHANGE WELL NAME**
☐ **CHANGE WELL STATUS**	☐ **COMMINGLE PRODUCING FORMATIONS**	☐ **CONVERT WELL TYPE**
☐ **DEEPEN**	☐ **FRACTURE TREAT**	☐ **NEW CONSTRUCTION**
☐ **OPERATOR CHANGE**	☐ **PLUG AND ABANDON**	☐ **PLUG BACK**
☐ **PRODUCTION START OR RESUME**	☐ **RECLAMATION OF WELL SITE**	☐ **RECOMPLETE DIFFERENT FORMATION**
☐ **REPERFORATE CURRENT FORMATION**	☐ **SIDETRACK TO REPAIR WELL**	☐ **TEMPORARY ABANDON**
☐ **TUBING REPAIR**	☐ **VENT OR FLARE**	☐ **WATER DISPOSAL**
☐ **WATER SHUTOFF**	☐ **SI TA STATUS EXTENSION**	☐ **APD EXTENSION**
☐ **WILDCAT WELL DETERMINATION**	☐ **OTHER**	**OTHER:**

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
Attached please find the drilling reports ending 3-12-2011

CONFIDENTIAL – TIGHT HOLE

NAME (PLEASE PRINT) Don Hamilton **PHONE NUMBER** 435 719-2018	**TITLE** Permitting Agent (Buys & Associates, Inc)
SIGNATURE N/A	**DATE** 3/13/2011

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**6-Mar-11**	**Current Operation:**	Drilling 6" Hole at 10,155'.		**Depth @ Midnight:**	10,155 '	
					Depth @ 06:00:	10,255 '	**Footage last 24 hrs:** 347 '
Spud Date:		**3-Feb-11**	**Days Since Spud:**	31			

Time Breakdown:

From:	To:	
0:00	0:00	Drill 6" hole from 9,808' to 10,155'.

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**7-Mar-11**	**Current Operation:**	Making trip for new bit (#7)		**Depth @ Midnight:**	10,425 '	
					Depth @ 06:00:	10,425 '	**Footage last 24 hrs:** 270 '
Spud Date:		**3-Feb-11**	**Days Since Spud:**	32			

Time Breakdown:

From:	To:	
0:00		Drill 6" hole from 10,155' 10,425', bit not drilling.
		Circ while mix/pump slug.
	0:00	POH for new bit, #7. Will also swap middle roller reamer from 5-3/4" to full gauge.

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**8-Mar-11**	**Current Operation:**	Drilling 6" Hole		**Depth @ Midnight:**	11,135 '	
					Depth @ 06:00:	11,295 '	**Footage last 24 hrs:** 710 '
Spud Date:		**3-Feb-11**	**Days Since Spud:**	33			

Time Breakdown:

From:	To:	
0:00		RIH with new bit #7 to 10,200'. No hole trouble. Fill string every 3000'. Install rotating rubber.
		MU top drive and attempt to break circulation, string plugged. Pressure up to 3900 psi and cleared blockage.
		Precautionary wash/ream 10,200' to TD.
		Break in bit. Drill 6" hole from 10,425' to 10,946', decrease MW from 12.2 to 12 - 12.1 ppg slowly.
		Routine rig service.
	0:00	Drill 6" hole from 10,946' to 11,135'.

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**9-Mar-11**	**Current Operation:**	POH to run logs.		**Depth @ Midnight:**	11,500 '	
					Depth @ 06:00:	11,500 '	**Footage last 24 hrs:** 365 '
Spud Date:		**3-Feb-11**	**Days Since Spud:**	34			

Time Breakdown:

From:	To:	
0:00		Drill 6" hole from 11,135' to 11,500'.
		Pump sweep and make short trip to the shoe, tight hole at 10,840'. RIH to 10,500' and precautionary wash and ream to
		TD. Hole in good condition.
		Pump sweep and circulate out.
	0:00	Pump slug. POH to log to 958'. Fill hole every 5 stands, no hole trouble.

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**10-Mar-11**	**Current Operation:**	POH to run 4-1/2" liner.	**Depth @ Midnight:**	11,500 '	
				Depth @ 06:00:	11,500 '	**Footage last 24 hrs:**
Spud Date:		**3-Feb-11**	**Days Since Spud:**	35		

Time Breakdown:

From:	To:	
0:00		Run Quad Combo logging tools.
		Rig down loggers.
	0:00	MU cleanout BHA and RIH. Precautionary wash/ream 11,200' to TD. Circulate around sweep. POH to run liner.

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**11-Mar-11**	**Current Operation:**	Cement 4-1/2" Liner	**Depth @ Midnight:**	11,500 '	
				Depth @ 06:00:	11,500 '	**Footage last 24 hrs:**
Spud Date:		**3-Feb-11**	**Days Since Spud:**	36		

Time Breakdown:

From:	To:	
0:00		RU casing running tools. Run 46 jts of 4-1/2", 15.1 ppf, P110 LTC, R3 liner. MU Halliburton Versaflex liner hanger.
		RIH to 11,384' on 3-1/2" drill pipe.
	0:00	Begine circulating / washing liner to TD at report time.

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

EVANS #1-4-3-3 DAILY OPERATIONS SUMMARY

Date:	**12-Mar-11**	**Current Operation:**	Laying down 3-1/2" drill pipe.		**Depth @ Midnight:**	11,500 '	
					Depth @ 06:00:	11,500 '	**Footage last 24 hrs:**
Spud Date:		**3-Feb-11**	**Days Since Spud:**	37			

Time Breakdown:

From:	To:	
0:00		Precautionary wash liner to TD. Circulate 1.5 times annular volume, RU Halliburton cement unit and lines.
		Cement 4-1/2" liner per procedure, pumped 160 sx / 46 bbls Bondcem at 15.6 ppg. Displaced with 28 bbls water +
		10 bbls Tuned Spacer III at 13.2 ppg + 60 bbls 12.1 ppg mud. Bumped plug with 2100 psi (500 psi over). Held 10 mins
		and bled of 3/4 bbl. Floats held. CIP at 03:30 hrs.
		Set liner hanger, released running tool. PU and circulated out excess cement.
		POH and lay down liner running tool.
		RIH with RTTS packer and negative test liner top to - 1400 psi, good test.
	0:00	Circ 7" casing to water and POH laying down drill string to 8245'.

Daily Cost:	
Cumulative Cost:	
AFE:	
AFE Remaining:	

Carol Daniels - Notification of 4 1/2 Liner Cement Job T03S R03W S-04 4301350561

From: "Field Supervisor"
To: "Carol Daniels" , "Chrissy Vance" , "Dan Jarvis" , "Dennis Ingram" , "Don Hamilton" , "Dustin Doucet" , "Jeff Schrutka" , "Victor King"
Date: 3/10/2011 2:39 PM
Subject: Notification of 4 1/2 Liner Cement Job
CC: "Jeff Schrutka"

Ladies and Gentlemen:

Please be advised that Harvest Natural Resources will be running a 4 ½ liner & cementing same. Liner will be run starting tonight late and cement job should take place mid to late morning tomorrow, 3/11/11.

The well is Evans #1-4-3-3, API #43013505610000.

Regards,
Glenn Randel
HNR Rep
H & P 319

CONFIDENTIAL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☑ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
7. UNIT or CA AGREEMENT NAME: N/A
8. WELL NAME and NUMBER: Evans #1-4-3-3
9. API NUMBER: 4301350561
10. FIELD AND POOL, OR WILDCAT: Wildcat

1a. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR: Harvest (US) Holdings, Inc.

3. ADDRESS OF OPERATOR: 1177 Enclave Parkway CITY Houston STATE TX ZIP 77077 PHONE NUMBER: (281) 899-5722

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1385 FNL 1181 FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 1385 FNL 1181 FWL
AT TOTAL DEPTH: 1385 FNL 1181 FWL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 4 3S 3W U
12. COUNTY: Duchesne
13. STATE: UTAH

14. DATE SPUDDED: 2/3/2011
15. DATE T.D. REACHED: 3/9/2011
16. DATE COMPLETED: 4/21/2011 ABANDONED ☐ READY TO PRODUCE ☑
17. ELEVATIONS (DF, RKB, RT, GL): 5,550' GL

18. TOTAL DEPTH: MD 11,500 TVD 11,500
19. PLUG BACK T.D.: MD 11,454 TVD 11,454
20. IF MULTIPLE COMPLETIONS, HOW MANY? * 4
21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
Spectral Density, Neutron, GR, DLL, MSFL

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
17.5	13-3/8 H-40	48.5	0	528		G 650	133	0-CIR	
12.25	9-5/8 J-55	36	0	3,032		G 1,076	336	0-CIR	
8.75	7 P-110	29	0	9,665		Bondo 1,130	322	1350-CBL	
6.00	4-1/2 P-110	15.1	9,496	11,495		Bondo 160	46	9496-cir	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8	9,206	9,190						

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Castle Peak	9,306	9,398	9,306	9,398
(B) Wasatch	9,940	11,467	9,940	11,467
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
9,306 10,613	.3	51	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
9306-10613	132,000 20/40 white, 18,000 20/40 resin, 44,200 100 mesh, 23,800 30/50 sand, 17,000 30/50 resin

29. ENCLOSED ATTACHMENTS:
☑ ELECTRICAL/MECHANICAL LOGS ☑ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: Producing

(5/2000)

(CONTINUED ON BACK)

31. INITIAL PRODUCTION — **INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
4/21/2011	4/21/2011	24		737	905	454	flowing

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
16	1,900	0	52.40	1,404	1,228		737	905	454	producing

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Flared

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
			see geologic summary	Garden Gulch	7,280
				Douglas Creek/GR	8,404
				Uteland Butte	9,490
				Wasatch	9,944

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Don Hamilton TITLE Agent for Harvest (US) Holdings, Inc.

SIGNATURE Don Hamilton DATE 6/16/2011

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. CDW

X - Change of Operator (Well Sold) Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective **5/17/2011**

FROM: (Old Operator):	**TO:** (New Operator):
N3520-Ha rvest (US) Holdings, Inc	N2695-Newfield Production Company
1177 Enclave Parkway, Suite 300	1001 17th St, Suite 2000
Houston, TX 77077	Denver, CO 80202
Phone: 1 (281) 899-5700	Phone: 1 (303) 893-0102

CA No. **Unit:**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE 10 ATTACHED SUNDRIES								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on 6/22/2011
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/22/2011
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 3/22/2011
4a. Is the new operator registered in the State of Utah: yes Business Number: 755627-0143
4b. If **NO**, the operator was contacted contacted on:
5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
5b. Inspections of LA PA state/fee well sites complete or n/a
5c. Reports current for Production/Disposition & Sundries on: ok
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA n/a
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 6/30/2011
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 6/30/2011
3. Bond information entered in RBDMS on: 6/30/2011
4. Fee/State wells attached to bond in RBDMS on: 6/30/2011
5. Injection Projects to new operator in RBDMS on: n/a
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: WY000483
2a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number B001834
2b. The **FORMER** operator has requested a release of liability from their bond (n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 7/12/2011

COMMENTS:

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: FEE

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: N/A

1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER: EVANS #1-4-3-3

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY N2695

9. API NUMBER: 4301350561

3. ADDRESS OF OPERATOR: 1001 17TH ST, SUITE 2000 CITY DENVER STATE CO ZIP 80202

PHONE NUMBER: (303) 893-0102

10. FIELD AND POOL, OR WILDCAT: WILDCAT

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1385 FNL & 1181 FWL

COUNTY: DUCHESNE

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 4 3S 3W

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 5/17/2011	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 05/17/2011, Newfield Production Company will take over operations of the referenced well.
The previous owner/operator was:

Harvest (US) Holdings, Inc.
1177 Enclave Parkway
Houston, TX 77077

Effective 05/17/2011, Newfield Production Company is responsible under the terms and conditions of the leases for operations conducted on the leases lands or a portion thereof under ~~BLM~~ Bond No~~. RLB0010466~~ B001834

Harvest (US) Holdings, Inc.
Print Name: Patrick R. Oenbring N3520 Title: President and CEO

Seller Signature: Patrick R Oenbring Date: 05/17/2011

NAME (PLEASE PRINT) KELLY DONOHOUE TITLE RM LAND MANAGER

SIGNATURE Kelly L Donohoue DATE 5/17/2011

(This space for State use only)

APPROVED 6/30/2011
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

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C

FORM 6

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM

Operator: Harvest (US) Holdings, Inc.
Operator Account Number: N 3520
Address: 1177 Enclave Parkway
city Houston
state TX zip 77077
Phone Number: (281) 899-5722

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350561	Evans #1-4-3-3		SWNW	4	03S	03W	Duchesne
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
E	17938	17938	2/3/2011			4/21/11	

Comments: The well was spud on February 3, 2011 utilizing Leon Ross Construction at 1000 hrs.
The referenced well was completed as GR-WS effective 04/21/2011. 6/22/11

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Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:
- **A** - Establish new entity for new well (single well only)
- **B** - Add new well to existing entity (group or unit well)
- **C** - Re-assign well from one existing entity to another existing entity
- **D** - Re-assign well from one existing entity to a new entity
- **E** - Other (Explain in 'comments' section)

Don Hamilton
Name (Please Print)
Don Hamilton
Signature
Agent for Harvest
Title
1/4/2011
Date

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
7. UNIT or CA AGREEMENT NAME: N/A
8. WELL NAME and NUMBER: Evans #1-4-3-3
9. API NUMBER: 4301350561
10 FIELD AND POOL, OR WILDCAT: Wildcat

1a. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR: Harvest (US) Holdings, Inc.

3. ADDRESS OF OPERATOR: 1177 Enclave Parkway CITY Houston STATE TX ZIP 77077 PHONE NUMBER: (281) 899-5722

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1385 FNL 1181 FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 1385 FNL 1181 FWL
AT TOTAL DEPTH: 1664 1131 ~~1385~~ FNL 1181 FWL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 4 3S 3W U

12. COUNTY: Duchesne 13. STATE: UTAH

14. DATE SPUDDED: 2/3/2011 15. DATE T.D. REACHED: 3/9/2011 16. DATE COMPLETED: 4/21/2011 ABANDONED ☐ READY TO PRODUCE ☑ 17. ELEVATIONS (DF, RKB, RT, GL): 5,550' GL

18. TOTAL DEPTH: MD 11,500 TVD ~~11,500~~ 11496
19. PLUG BACK T.D.: MD 11,454 TVD ~~11,454~~ 11450
20. IF MULTIPLE COMPLETIONS, HOW MANY? * 4
21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
Spectral Density, Neutron, ~~GR~~, DLL, MSFL

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
17.5	13-3/8 H-40	48.5	0	528					
12.25	9-5/8 J-55	36	0	3,032					
8.75	7 P-110	29	0	9,665					
6.00	4-1/2 P-110	15.1	9,496	11,495					

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8	9,206	9,190						

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Castle Peak	9,306	9,398	9,306	9,398
(B) Wasatch	9,940	11,467	9,940	11,467
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
9,306 10,613	.3	51	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
9306-10613	132,000 20/40 white, 18,000 20/40 resin, 44,200 100 mesh, 23,800 30/50 sand, 17,000 30/50 resin

29. ENCLOSED ATTACHMENTS:
☑ ELECTRICAL/MECHANICAL LOGS ☑ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: Producing

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31. INITIAL PRODUCTION — **INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
4/21/2011	4/21/2011	24		737	905	454	flowing

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
16	1,900	0	52.40	1,404	1,228		737	905	454	producing

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Flared

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
			see geologic summary	Garden Gulch	7,280
				Douglas Creek/GR	8,404
				Uteland Butte	9,490
				Wasatch	9,944

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Don Hamilton TITLE Agent for Harvest (US) Holdings, Inc.

SIGNATURE Don Hamilton DATE 5/16/2011

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

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GEOLOGIC REPORT

Provided by

Decollement Consulting Inc.

For

Harvest (US) Holdings, Inc.
1177 Enclave Pkwy
Houston, TX 77077

Harvest (US) Holdings Inc. EVANS #1-4-3-3 SW/NW Sec.4.T3S, R3W. Duchesne County,UT	**February, 2011**

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February 2011
Decollement Consulting, Inc

Dennis Springer
Well site Geologist

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Well Data Summary

Well Name	Evans #1-4-3-3
Operator	Harvest (US) Holdings, Inc.
Surface Location	SW/NW Sec.4, T3S, R3W
API #	43-013-50561
Well Classification	Wildcat
Drilling Contractor	H & P Rig #319
Elevation-Ground level	5539.5
Kelly Bushing	5564
Spud Date	2/3/2011
TD Date	3/10/11
TD Depth	9753
Surface Casing	9 5/8" Sat @ 3032'
Intermediate Casing	7" Sat @ 9646
Liner	4 ½" Sat @
Hole Size	8 ¾, 6
Sample Interval	3170' to 9753' TD
Gas Detection	3170' to 9753' TD
Open Hole Logs	GR, SP. Cal., Triple Combo, Sonic, FMI
Mud Type	Terra-Max
Well Status	Cement 4 ½ Production Liner

Formation Tops

Evans #1-4-3-3

Kelly Bushing 5564

Formation	Prognosis	Spl Top (md)	Spl Top (tvd)	Log Top (md)	Log (tvd)	Sub Sea
Uinta	Surface					
Green River 1	4354	4346	4346	4366	4366	1198
Green River 2	5926	6050	6050	5950	5950	-386
Smith		6165	6165	6143	6143	-579
Mahogeny Bench	6264	6260	6260	6248	6248	-684
Trona	6296					
Base	6384					
DJ	6678	6603	6603	6598	6598	-1034
DJ1	6938	6855	6855	6858	6858	-1294
Garden Gulch J Marker	7244	7136	7136	7163	7163	-1599
Green River 3	7562	7446	7446	7498	7498	-1934
HI Marker	7710	7589	7589	7661	7661	-2097
I Marker	8066	8050	8050	8003	8003	-2439
K (Douglas Creek)	8368	8404	8404	8395	8395	-2831
Castle Peak	9270	9198	9198	9193	9193	-3629
Control Point 80	9362	9286	9286	9268	9268	-3704
Bar "F" Unconformity	9395	9317	9317	9308	9308	-3744
UB1	9454	9398	9398	9384	9384	-3820
Ute Land Butte CP 90	9654	9687	9587	9582	9582	-4018
Wasatch	9908	9890	9890	9858	9858	-4294
Dart Sand	10294	10302	10302	10346	10346	-4782
CP190	10685	10686	10686	10668	10668	-5104
CP 200	10737	10739	10739	10733	10733	-5169
CP210	10815	10844	10844	10820	10820	-5256
Massive Red Beds	10431			11270	11270	-5706

Formation Evaluation

Harvest (US) Holdings, Inc.
Evans 1-4-3-3

Decollement Consulting arrived on Helmerich & Payne Rig #319, Feb 14, 2011. Total depth of 11,500' was reached on March 9, 2011. Gas detection and lagged samples were caught under 3032' of 9 5/8" surface casing and were collected to total depth (11,500'). Under surface we drilled 8 ¾ hole to 9668. Near intermediate casing depth we began raising mud weight to lower gas background. We lost circulation 8610'. Open hole E-logs (Triple-Combo and Sonic, FMI) were run from 9668' to surface. Seven inch intermediate casing was run after logging, continued drilling with 6 inch bit. Shows 1-5 were in fractured oil shale containing black asphaltic oil. The H, HI, and I contain 81' of fracture pay and 80' of pay with average porosity of 13% and over 40 ohm resistivity. Shows 6-8 were in the K and K1. Logs indicate 30' of pay in the K with 12% average porosity and an additional 13' of fracture pay with over 40 ohm resistively. The Bar F sandstone contained 15 feet of pay with 13% average matrix porosity and over 60 ohms resistivity and another 11' of fracture pay. The UB1 has 19' of pay with 14% porosity and 21' of fracture indicators. Show 9 was in the Wasatch Sandstone having 3' of gas show but no fluorescence. Open hole logs indicated a 65' of pay in the Wasatch with 11% average porosity and over 40 ohms resistivity with an additional 26' of possible fracture pay. Shows from logs indicate a well that will be completed successfully.

Bit Record

Harvest (US) Holdings, Inc.
Evans #1-4-3-3

BIT	SIZE	MAKE	TYPE	SERIAL #	JETS	OUT
1	12 ¼	Ulterra	1666	8404	6x13	3032
2	12 ¼	Smith	Mill Tooth			3032
3	8 ¾	Reed	E1100	125512	3x12 3x11	5908
4	8 ¾	Smith	MSI616	JD9671	3x11 3x12	9668
5	6	Smith	MSI613	JX8913	6x14	10422
6	6	Ulterra	MS 1665	8900	3x16 2x14	11500

BIT	FT	HRS	TOT HR	WT	RPM	PP	MUD WT	VIS	DEV
1	2654	18	18	25	130	2800	10.4	42	.25
2	0	0	18				12.7	52	
3	2876	49 ¾	67.75	20	80/80	2600	10.1	47	1
4	3760	63	130.75	20	100/80	2700	11.5	47	2
5	754	51	181.75	20	100	3000	12.1	37	1.9
6	1078	29 1/2	211 ¼	15	100	3000	12.1	38	2.0

Daily Drilling Summary

Harvest (US) Holdings, Inc.

Evans #1-4-3-3

DATE	DEPTH	PROG	HRS	MUD	VIS	WL	PH	ACTIVITY
2/14/11	3032	0	0	10.2				Circ control water flow
2/15/11	3032	0	0	10.4	38	40.0	8.5	Wt up to 12.0 to control water
2/16/11	3032	0	0	12.0	43	40.0	7.8	Wt up to 12.7 to control water
2/17/11	3032	0	0	12.7	52	12.8	8.1	Run Casing Level Rig
2/18/11	3032	46	1 ½	12.7	50	12.8	8.1	Nipple up Test Bops Drill
2/19/11	3078	1587	20 ¾	9.1	42	7,1	8.0	Drill, Short Trip
2/20/11	4665	929	20	9.6	37	4.8	8.8	Drill, Short Trip
2/21/11	5594	732	12 ¾	10.1	38	4.7	8.6	Drill, Trip for Bit 4
2/22/11	6326	967	13 ¼	10.7	38	5.0	8.5	Drill, Trip for MWD tool
2/23/11	7293	794	20 3/4	11.1	37	5.5	8.5	Trip, Drill
2/24/11	8087	772	16 ¼	11.5	37	5.0	8,5	Drill, Cond Lost Circ @ 8610
2/25/11	8859	809	13	11.5	37	5.0	8.5	Drill, cond lost circ, toh for logs
2/26/11	9668	0	0	11.75	37	6.2	8.2	WO Generator for logging ,log
2/27/11	9668	0	0	11.75	37	6.2	8.2	TIH Cond tight hole, Toh Log
2/28/11	9668	0	0	11.75	37	6.2	8.2	Finish sidewall cores, TIH Cond
3/1/11	9668	0	0	11.7	37	6.2	8.2	Lay Down DP
3/2/11	9668	0	0	11.7	36	6.4	8.2	Run inter. casing, cement
3/3/11	9668	0	0	11.7	36	6.4	8.2	Nipple Up
3/4/11	9668	0	0	11.7	38	5	8.5	Squeeze job, Nipple Up, Test
3/5/11	9668	168	15	11.7	38	7.2	8.0	PU 3 ½ DP, Drill, Leak off test
3/6/11	9836	401	23 ½	12.1	38	6.6	8.4	Drill, Rig Serv
3/7/11	10237	199	12 ½	12.1	38	5.2	8.0	Drill, Trip for Bit
3/8/11	10402	888	23 ½	12.05	38	5.0	8.0	Drill, Rig Serv
3/9/11	11324	176	6	12.1	38	5.0	8	Drill, TD,Trip for Logs
3/10/11	11500	0	0	12.1	38	5.0	8	Log, TIH
3/11/11	11500	0	0	12.1	38	5.0	8	PU Liner
3/12/11	11500	0	0	12.1	38	5.0	8	Cement, Logging Released

Job Number: UT11701
Company: Harvest Natural Resources
Lease/Well: Evans 1-4-3-3
Location: Sec 4, T3S, R3S
Rig Name: H&P 319
RKB: 5565.5
G.L. or M.S.L.: 5539.5

State/Country: Utah
Declination: 11.6
Grid: True
File name: C:\WINSERVE\UT11701.SVY
Date/Time: 26-Feb-11 / 16:58
Curve Name: As Drilled

Payzone Directional

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane .00
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured Depth Meters	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S Meters	E-W Meters	Vertical Section Meters	CLOSURE Distance Meters	CLOSURE Direction Deg	Dogleg Severity Deg/30m
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Gyro 200.00	.25	143.99	200.00	-.35	.26	-.35	.44	143.99	.04
Gyro 300.00	.25	102.13	300.00	-.58	.60	-.58	.83	133.89	.05
Gyro 400.00	.00	.00	400.00	-.62	.81	-.62	1.02	127.43	.07
Gyro 500.00	25	194.40	500.00	-.83	.76	-.83	1.13	137.71	.07
Gyro 600.00	.25	149.54	600.00	-1.23	.81	-1.23	1.48	146.56	.06
Gyro 700.00	.25	227.67	700.00	-1.57	.76	-1.57	1.74	154.04	.09
Gyro 800.00	.25	175.81	800.00	-1.93	.62	-1.93	2.03	162.27	.07
Gyro 900.00	.50	266.95	899.99	-2.17	.20	-2.17	2.18	174.80	.17
Gyro 1000.00	.75	205.08	999.99	-2.79	-.52	-2.79	2.84	190.47	.20
Gyro 1100.00	.75	216.90	1099.98	-3.90	-1.19	-3.90	4.08	196.90	.05
Gyro 1200.00	.75	224.04	1199.97	-4.90	-2.03	-4.90	5.30	202.55	.03
Gyro 1300.00	.50	192.17	1299.97	-5.80	-2.58	-5.80	6.34	204.01	.13
Gyro 1400.00	.75	208.31	1399.96	-6.80	-2.98	-6.80	7.42	203.69	.09
Gyro 1500.00	1.00	175.44	1499.95	-8.24	-3.22	-8.24	8.85	201.36	.17

Measured Depth Meters	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S Meters	E-W Meters	Vertical Section Meters	CLOSURE Distance Meters	CLOSURE Direction Deg	Dogleg Severity Deg/30m
Gyro									
1600.00	.50	161.58	1599.94	-9.53	-3.02	-9.53	9.99	197.57	.16
Gyro									
1700.00	.75	196.71	1699.93	-10.57	-3.07	-10.57	11.00	196.18	.13
Gyro									
1800.00	.50	166.85	1799.93	-11.62	-3.16	-11.62	12.04	195.20	.12
Gyro									
1900.00	.75	198.99	1899.92	-12.66	-3.27	-12.66	13.08	194.48	.13
Gyro									
2000.00	.75	197.17	1999.91	-13.91	-3.68	-13.91	14.39	194.80	.01
Gyro									
2100.00	.50	193.36	2099.91	-14.96	-3.97	-14.96	15.48	194.86	.08
Gyro									
2200.00	.75	197.54	2199.90	-16.01	-4.27	-16.01	16.57	194.93	.08
Gyro									
2300.00	.75	197.73	2299.89	-17.25	-4.66	-17.25	17.87	195.13	.00
Gyro									
2400.00	.75	215.92	2399.89	-18.41	-5.25	-18.41	19.14	195.91	.07
Last official Gyro									
2496.00	1.00	200.10	2495.87	-19.70	-5.90	-19.70	20.57	196.68	.11
3083.00	1.45	180.00	3082.74	-31.94	-7.66	-31.94	32.85	193.49	.03
3113.00	1.58	176.00	3112.73	-32.73	-7.64	-32.73	33.61	193.13	.17
3210.00	1.63	178.58	3209.69	-35.45	-7.51	-35.45	36.23	191.96	.03
3242.00	1.67	168.30	3241.68	-36.36	-7.40	-36.36	37.10	191.51	.28
3271.00	1.93	173.80	3270.67	-37.26	-7.26	-37.26	37.96	191.03	.32
3302.00	1.67	185.40	3301.65	-38.23	-7.25	-38.23	38.91	190.74	.43
3333.00	1.49	188.38	3332.64	-39.07	-7.35	-39.07	39.76	190.66	.19
3364.00	1.45	187.90	3363.63	-39.86	-7.46	-39.86	40.55	190.61	.04
3396.00	1.67	191.68	3395.62	-40.72	-7.61	-40.72	41.42	190.59	.23
3427.00	1.67	199.50	3426.60	-41.59	-7.86	-41.59	42.32	190.70	.22
3490.00	1.45	199.85	3489.58	-43.20	-8.43	-43.20	44.02	191.05	.10
3522.00	1.45	200.00	3521.57	-43.96	-8.71	-43.96	44.82	191.21	.00
3553.00	1.49	206.70	3552.56	-44.69	-9.02	-44.69	45.59	191.42	.17
3585.00	1.49	200.20	3584.55	-45.45	-9.36	-45.45	46.41	191.63	.16
3616.00	1.45	196.07	3615.54	-46.21	-9.60	-46.21	47.20	191.74	.11
3648.00	1.32	197.13	3647.53	-46.95	-9.82	-46.95	47.97	191.82	.12
3679.00	1.36	191.50	3678.52	-47.65	-10.00	-47.65	48.69	191.85	.13
3710.00	1.44	187.82	3709.51	-48.40	-10.13	-48.40	49.45	191.82	.12
3742.00	1.41	188.86	3741.50	-49.19	-10.24	-49.19	50.24	191.76	.04
3773.00	1.64	190.26	3772.49	-50.00	-10.38	-50.00	51.07	191.73	.23
3805.00	1.71	190.09	3804.48	-50.92	-10.55	-50.92	52.00	191.70	.07
3928.00	1.41	187.63	3927.43	-54.23	-11.07	-54.23	55.34	191.54	.07
3959.00	1.14	185.52	3958.42	-54.91	-11.15	-54.91	56.03	191.48	.27
3991.00	1.32	191.37	3990.42	-55.59	-11.25	-55.59	56.72	191.44	.21
4055.00	1.19	188.73	4054.40	-56.97	-11.50	-56.97	58.12	191.41	.07
4085.00	1.14	192.60	4084.39	-57.57	-11.61	-57.57	58.73	191.40	.09
4147.00	1.23	201.17	4146.38	-58.79	-11.99	-58.79	60.00	191.52	.10
4211.00	1.41	197.56	4210.36	-60.18	-12.47	-60.18	61.46	191.71	.09

Measured Depth Meters	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S Meters	E-W Meters	Vertical Section Meters	CLOSURE Distance Meters	CLOSURE Direction Deg	Dogleg Severity Deg/30m
4243.00	1.36	201.26	4242.35	-60.91	-12.73	-60.91	62.23	191.80	.10
4339.00	1.45	199.50	4338.33	-63.12	-13.55	-63.12	64.56	192.11	.03
4370.00	1.27	192.82	4369.32	-63.82	-13.75	-63.82	65.29	192.16	.23
4466.00	1.41	195.37	4465.29	-66.00	-14.30	-66.00	67.53	192.23	.05
4496.00	1.36	185.04	4495.28	-66.71	-14.43	-66.71	68.25	192.21	.25
4590.00	1.41	183.99	4589.25	-68.97	-14.61	-68.97	70.50	191.96	.02
4622.00	1.58	189.74	4621.24	-69.80	-14.71	-69.80	71.34	191.90	.21
4653.00	1.54	191.15	4652.23	-70.63	-14.87	-70.63	72.18	191.89	.05
4716.00	1.67	189.04	4715.21	-72.37	-15.17	-72.37	73.94	191.84	.07
4747.00	1.76	182.27	4746.19	-73.29	-15.26	-73.29	74.86	191.76	.21
4779.00	1.54	190.18	4778.18	-74.20	-15.36	-74.20	75.78	191.69	.30
4811.00	1.45	184.73	4810.17	-75.03	-15.47	-75.03	76.61	191.65	.16
4842.00	1.58	177.96	4841.16	-75.85	-15.49	-75.85	77.41	191.54	.21
4873.00	1.38	185.04	4872.15	-76.65	-15.50	-76.65	78.20	191.43	.26
4905.00	1.58	185.92	4904.14	-77.47	-15.58	-77.47	79.02	191.37	.19
4936.00	1.71	199.59	4935.12	-78.33	-15.78	-78.33	79.91	191.39	.40
4968.00	1.85	191.72	4967.11	-79.29	-16.05	-79.29	80.90	191.44	.26
4999.00	1.85	191.72	4998.09	-80.27	-16.25	-80.27	81.90	191.44	.00
5031.00	1.85	193.45	5030.08	-81.28	-16.47	-81.28	82.93	191.46	.05
5062.00	1.80	196.50	5061.06	-82.23	-16.73	-82.23	83.91	191.50	.11
5094.00	1.71	196.55	5093.05	-83.17	-17.01	-83.17	84.89	191.56	.08
5124.00	1.63	191.24	5123.03	-84.02	-17.22	-84.02	85.76	191.58	.17
5156.00	1.36	195.85	5155.02	-84.83	-17.41	-84.83	86.60	191.60	.28
5188.00	1.41	194.80	5187.01	-85.57	-17.62	-85.57	87.37	191.63	.05
5220.00	1.54	198.00	5219.00	-86.36	-17.85	-86.36	88.19	191.68	.14
5251.00	1.71	206.60	5249.99	-87.17	-18.18	-87.17	89.05	191.78	.29
5282.00	1.85	213.70	5280.98	-88.00	-18.67	-88.00	89.96	191.98	.25
5314.00	1.76	214.35	5312.96	-88.84	-19.23	-88.84	90.90	192.22	.09
5345.00	1.54	215.41	5343.95	-89.57	-19.74	-89.57	91.72	192.43	.21
5376.00	1.32	226.26	5374.94	-90.16	-20.24	-90.16	92.40	192.65	.34
5408.00	.66	227.62	5406.93	-90.54	-20.65	-90.54	92.86	192.85	.62
5439.00	.79	238.43	5437.93	-90.77	-20.96	-90.77	93.16	193.00	.18
5502.00	.53	235.50	5500.93	-91.16	-21.57	-91.16	93.68	193.31	.12
5534.00	.66	235.50	5532.92	-91.35	-21.84	-91.35	93.92	193.45	.12
5565.00	.88	222.80	5563.92	-91.63	-22.15	-91.63	94.27	193.59	.27
5596.00	.70	227.49	5594.92	-91.93	-22.45	-91.93	94.63	193.73	.18
5628.00	.79	219.19	5626.91	-92.23	-22.74	-92.23	94.99	193.85	.13
5691.00	.83	194.71	5689.91	-93.01	-23.13	-93.01	95.84	193.96	.16
5753.00	1.10	205.39	5751.90	-93.98	-23.50	-93.98	96.87	194.04	.16
5816.00	1.01	212.51	5814.89	-95.00	-24.05	-95.00	97.99	194.21	.08
5911.00	1.23	200.73	5909.87	-96.66	-24.87	-96.66	99.80	194.43	.10
5942.00	1.32	207.01	5940.86	-97.28	-25.15	-97.28	100.48	194.49	.16
6005.00	1.32	196.95	6003.85	-98.63	-25.69	-98.63	101.92	194.60	.11
6067.00	1.32	194.88	6065.83	-100.00	-26.08	-100.00	103.34	194.62	.02
6130.00	1.45	195.10	6128.81	-101.47	-26.47	-101.47	104.87	194.62	.06

Measured Depth Meters	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S Meters	E-W Meters	Vertical Section Meters	CLOSURE Distance Meters	CLOSURE Direction Deg	Dogleg Severity Deg/30m
6162.00	1.36	192.55	6160.80	-102.23	-26.66	-102.23	105.65	194.62	.10
6225.00	1.32	189.21	6223.79	-103.68	-26.94	-103.68	107.12	194.57	.04
6288.00	1.19	187.19	6286.77	-105.04	-27.14	-105.04	108.49	194.48	.07
6382.00	1.32	191.41	6380.75	-107.07	-27.47	-107.07	110.54	194.39	.05
6445.00	1.05	185.88	6443.73	-108.36	-27.68	-108.36	111.84	194.33	.14
6728.00	1.36	200.16	6726.67	-114.09	-29.10	-114.09	117.74	194.31	.05
6822.00	2.02	199.60	6820.63	-116.70	-30.04	-116.70	120.50	194.43	.21
6854.00	2.07	194.60	6852.61	-117.79	-30.37	-117.79	121.64	194.46	.17
6885.00	1.93	194.97	6883.59	-118.83	-30.65	-118.83	122.72	194.46	.14
6916.00	1.76	191.02	6914.57	-119.81	-30.88	-119.81	123.72	194.45	.21
6948.00	1.63	199.49	6946.56	-120.72	-31.12	-120.72	124.66	194.46	.26
6969.00	1.69	194.18	6967.55	-121.30	-31.30	-121.30	125.27	194.47	.24
7042.00	1.89	190.88	7040.52	-123.52	-31.79	-123.52	127.55	194.43	.09
7136.00	1.93	193.08	7134.46	-126.59	-32.44	-126.59	130.68	194.37	.03
7199.00	2.07	193.35	7197.43	-128.73	-32.94	-128.73	132.88	194.35	.07
7228.00	2.10	197.40	7226.41	-129.75	-33.22	-129.75	133.93	194.36	.16
7291.00	2.10	192.60	7289.36	-131.97	-33.82	-131.97	136.24	194.37	.08
7321.00	1.80	190.30	7319.35	-132.97	-34.02	-132.97	137.26	194.35	.31
7353.00	1.76	190.36	7351.33	-133.95	-34.20	-133.95	138.25	194.32	.04
7385.00	1.76	191.20	7383.32	-134.92	-34.38	-134.92	139.23	194.30	.02
7417.00	1.67	193.80	7415.30	-135.85	-34.59	-135.85	140.19	194.29	.11
7452.00	1.85	190.01	7450.29	-136.90	-34.81	-136.90	141.26	194.27	.18
7480.00	1.93	193.70	7478.27	-137.81	-35.00	-137.81	142.18	194.25	.16
7519.00	1.93	195.00	7517.25	-139.08	-35.33	-139.08	143.50	194.25	.03
7549.00	1.93	195.10	7547.23	-140.05	-35.59	-140.05	144.51	194.26	.00
7580.00	2.02	194.00	7578.21	-141.09	-35.86	-141.09	145.57	194.26	.09
7612.00	1.90	194.20	7610.19	-142.15	-36.12	-142.15	146.67	194.26	.11
7643.00	1.93	191.43	7641.18	-143.16	-36.35	-143.16	147.70	194.25	.09
7703.00	2.20	194.10	7701.14	-145.27	-36.83	-145.27	149.86	194.23	.14
7737.00	2.02	192.10	7735.11	-146.49	-37.12	-146.49	151.12	194.22	.17
7769.00	2.29	193.10	7767.09	-147.66	-37.38	-147.66	152.32	194.21	.26
7800.00	2.20	192.60	7798.07	-148.84	-37.65	-148.84	153.53	194.20	.09
7832.00	2.20	189.90	7830.04	-150.05	-37.89	-150.05	154.76	194.17	.10
7863.00	2.50	192.60	7861.02	-151.29	-38.14	-151.29	156.03	194.15	.31
7894.00	2.40	189.70	7891.99	-152.59	-38.40	-152.59	157.35	194.12	.15
7926.00	2.50	190.50	7923.96	-153.94	-38.64	-153.94	158.72	194.09	.10
7957.00	2.60	192.20	7954.93	-155.29	-38.91	-155.29	160.09	194.07	.12
7989.00	2.70	186.10	7986.90	-156.75	-39.14	-156.75	161.57	194.02	.28
8020.00	2.90	186.80	8017.86	-158.26	-39.31	-158.26	163.07	193.95	.20
8051.00	2.80	191.06	8048.82	-159.78	-39.55	-159.78	164.60	193.90	.23
8082.00	3.00	191.90	8079.78	-161.32	-39.86	-161.32	166.17	193.88	.20
8114.00	2.90	194.00	8111.74	-162.92	-40.23	-162.92	167.81	193.87	.14
8146.00	2.90	192.20	8143.70	-164.50	-40.60	-164.50	169.43	193.86	.09
8177.00	2.60	191.90	8174.66	-165.95	-40.91	-165.95	170.92	193.85	.29
8208.00	2.60	191.90	8205.63	-167.33	-41.20	-167.33	172.32	193.83	.00

Measured Depth Meters	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S Meters	E-W Meters	Vertical Section Meters	CLOSURE Distance Meters	CLOSURE Direction Deg	Dogleg Severity Deg/30m
8240.00	2.60	191.85	8237.60	-168.75	-41.50	-168.75	173.78	193.82	.00
8271.00	2.80	191.20	8268.56	-170.18	-41.79	-170.18	175.23	193.80	.20
8302.00	2.80	187.00	8299.53	-171.67	-42.03	-171.67	176.74	193.76	.20
8334.00	2.55	187.10	8331.49	-173.16	-42.21	-173.16	178.23	193.70	.23
8365.00	2.55	191.59	8362.46	-174.51	-42.44	-174.51	179.60	193.67	.19
8396.00	2.73	188.80	8393.43	-175.92	-42.69	-175.92	181.03	193.64	.21
8428.00	2.46	191.68	8425.39	-177.35	-42.94	-177.35	182.47	193.61	.28
8459.00	2.37	194.58	8456.37	-178.62	-43.24	-178.62	183.78	193.61	.15
8491.00	2.37	187.72	8488.34	-179.91	-43.50	-179.91	185.10	193.59	.27
8522.00	2.20	185.52	8519.32	-181.14	-43.64	-181.14	186.32	193.55	.19
8553.00	1.93	187.72	8550.29	-182.25	-43.77	-182.25	187.43	193.50	.27
8585.00	1.76	180.69	8582.28	-183.28	-43.84	-183.28	188.45	193.45	.27
8616.00	1.93	179.02	8613.26	-184.27	-43.84	-184.27	189.42	193.38	.17
8648.00	1.93	181.57	8645.24	-185.35	-43.85	-185.35	190.47	193.31	.08
8805.00	1.41	166.19	8802.18	-189.87	-43.46	-189.87	194.78	192.89	.13
8899.00	1.90	167.90	8896.14	-192.52	-42.86	-192.52	197.23	192.55	.16
8994.00	1.50	159.00	8991.10	-195.22	-42.08	-195.22	199.70	192.16	.15
9119.00	1.58	174.00	9116.05	-198.46	-41.31	-198.46	202.71	191.76	.10
9213.00	1.20	176.60	9210.02	-200.73	-41.12	-200.73	204.90	191.58	.12
9308.00	1.41	189.93	9305.00	-202.87	-41.26	-202.87	207.03	191.50	.12
9402.00	1.67	189.70	9398.97	-205.36	-41.69	-205.36	209.55	191.48	.08
9497.00	1.76	196.00	9493.92	-208.13	-42.33	-208.13	212.39	191.50	.07
9591.00	1.90	188.30	9587.88	-211.06	-42.95	-211.06	215.39	191.50	.09
9742.00	2.20	190.60	9738.78	-216.39	-43.85	-216.39	220.78	191.45	.06
9773.00	2.10	190.10	9769.76	-217.53	-44.05	-217.53	221.95	191.45	.10
9863.00	2.20	191.06	9859.69	-220.85	-44.67	-220.85	225.32	191.44	.04
9958.00	2.02	192.73	9954.63	-224.27	-45.39	-224.27	228.82	191.44	.06
10052.00	1.85	188.25	10048.58	-227.39	-45.98	-227.39	231.99	191.43	.07
10147.00	2.11	188.60	10143.52	-230.64	-46.46	-230.64	235.27	191.39	.08
10179.00	2.02	187.63	10175.50	-231.78	-46.62	-231.78	236.42	191.37	.09
10234.00	1.80	189.10	10230.47	-233.59	-46.89	-233.59	238.25	191.35	.12
10329.00	1.90	186.70	10325.42	-236.63	-47.31	-236.63	241.31	191.31	.04
10370.00	1.93	186.67	10366.39	-237.99	-47.47	-237.99	242.68	191.28	.02
10430.00	1.85	186.67	10426.36	-239.95	-47.70	-239.95	244.65	191.24	.04
10497.00	1.93	182.10	10493.33	-242.16	-47.86	-242.16	246.84	191.18	.08
10559.00	2.11	187.19	10555.29	-244.33	-48.04	-244.33	249.01	191.12	.12
10654.00	2.02	188.60	10650.23	-247.72	-48.51	-247.72	252.43	191.08	.03
10749.00	2.02	186.31	10745.17	-251.04	-48.95	-251.04	255.77	191.03	.03
10813.00	2.02	183.77	10809.13	-253.29	-49.14	-253.29	258.01	190.98	.04
10906.00	2.02	192.20	10902.07	-256.53	-49.60	-256.53	261.28	190.94	.10
11000.00	2.11	185.00	10996.01	-259.87	-50.10	-259.87	264.65	190.91	.09
11063.00	2.02	180.25	11058.97	-262.13	-50.21	-262.13	266.90	190.84	.09
11252.00	2.29	180.51	11247.83	-269.24	-50.25	-269.24	273.89	190.57	.04
11460.00	2.20	180.01	11455.67	-277.39	-50.29	-277.39	281.91	190.28	.01
Projected to TD survey.									
11500.00	2.20	180.01	11495.64	-278.92	-50.29	-278.92	283.42	190.22	.00

Sample Descriptions

Harvest (US) Holdings, Inc.
Evans #1-4-3-3

3030-3060	**Abundant Cement**
	LIMESTONE-20% Tan white, cryptocrystalline to microcrystalline, dense, occasionally chalky, soft to firm, no show
3060-90	**LIMESTONE-20% Tan white, cryptocrystalline to microcrystalline, dense, occasionally chalky, soft to firm, no show**
3090-3120	**SHALE-60% Medium to dark gray (90%) brown (10%) blocky to platy, earthy, firm, calcareous to limy**
	SANDSTONE 10%-White light gray salt and pepper, very fine (lower) to fine (lower) grained, sub angular, well sorted, carbonaceous inclusions, calcareous cement, tight, no show
	LIMESTONE-30% Tan light brown, cryptocrystalline to microcrystalline, occasionally chalky, argillaceous, soft to firm, no show
3120-50	**SHALE-60% Medium to dark gray (90%) brown (10%) blocky to platy, earthy, firm, calcareous to limy**
	SANDSTONE 10%-White light gray salt and pepper, very fine (lower) to fine (lower) grained, sub angular, well sorted, carbonaceous inclusions, calcareous cement, tight, no show
	LIMESTONE-30% Tan light brown, cryptocrystalline to microcrystalline, occasionally chalky, argillaceous, soft to firm, no show
3150-80	**LIMESTONE-100% Tan light brown, cryptocrystalline to microcrystalline, occasionally chalky, dense, soft to firm, trace dark brown oil in sample**

3180-3210 **SHALE-90% Medium to dark gray (90%) brown (10%) blocky to platy, earthy, silty, soft to firm, calcareous to limy**

LIMESTONE-10% Tan light brown, cryptocrystalline to microcrystalline, occasionally chalky, argillaceous, soft to firm, no show

3210-40 **SHALE-30% Medium to dark gray (90%) brown (10%) blocky to platy, earthy, silty, soft to firm, calcareous to limy**

LIMESTONE-70% Tan light brown, cryptocrystalline to microcrystalline, occasionally chalky, argillaceous, soft to firm, no show

3240-70 **SHALE-70% Medium to dark gray (90%) brown (10%) blocky to platy, earthy, silty, soft to firm, calcareous to limy**

LIMESTONE-30% Tan light brown, cryptocrystalline to microcrystalline, occasionally chalky, argillaceous, soft to firm, no show

3270-3300 **SHALE-60% Medium to dark gray (90%) brown (10%) blocky to platy, earthy, firm, calcareous to limy**

SANDSTONE- 10% White light gray salt and pepper, very fine (lower) to fine (upper) grained, sub angular, well sorted, carbonaceous inclusions, calcareous cement, tight, no show

LIMESTONE-30% Tan light brown, cryptocrystalline, occasionally chalky, dense, soft to firm, no show

3300-30 SHALE-30% Medium to dark gray (90%) brown (10%) blocky to platy, earthy, firm, calcareous to limy

SANDSTONE- 40% White light gray salt and pepper, very fine (lower) to fine (upper) grained, sub angular, well sorted, carbonaceous inclusions, calcareous cement, tight, no show

LIMESTONE-30% Tan light brown, cryptocrystalline to microcrystalline, occasionally chalky, argillaceous, soft to firm, no show

3330-60 SHALE-20% Medium to dark gray (90%) brown (10%) blocky to platy, earthy, firm, calcareous to limy

SANDSTONE- 20% White light gray salt and pepper, very fine (lower) to fine (lower) grained, sub angular, well sorted, carbonaceous inclusions, calcareous cement, tight, no show

LIMESTONE-60% Tan medium to dark brown, cryptocrystalline to microcrystalline, firm, trace brown stain, slow weak residual yellow cut

3360-90 SHALE-30% Medium to dark gray (90%) brown (10%) blocky to platy, earthy, firm, calcareous to limy

SANDSTONE- 20% White light gray salt and pepper, very fine (lower) to fine (lower) grained, sub angular, well sorted, carbonaceous inclusions, calcareous cement, tight, no show

LIMESTONE-50% Tan medium to dark brown, cryptocrystalline to microcrystalline, firm, trace brown stain, slow weak residual yellow cut

3390-3420 SHALE-50% Medium to dark gray (80%) brown (20%) blocky to platy, earthy, firm, calcareous to limy

SANDSTONE- 20% White light gray salt and pepper, very fine (lower) to fine (lower) grained, sub angular, well sorted, carbonaceous inclusions, calcareous cement, tight, no show

LIMESTONE-30% Tan medium to dark brown, cryptocrystalline to microcrystalline, firm, trace brown stain, slow weak residual yellow cut

3420-50 SHALE-30% Medium to dark gray (90%) brown (10%) blocky to platy, earthy, firm, calcareous to limy

SANDSTONE- 50%nLight to medium gray salt and pepper, very fine (lower) to fine (upper) grained, sub angular, well sorted, carbonaceous inclusions, clay matrix, micaceous, calcareous cement, tight, no show

LIMESTONE-20% Tan medium to dark brown, cryptocrystalline to microcrystalline, firm, trace brown stain, slow weak residual yellow cut

3450-80 SHALE-60% Medium to dark gray (70%) brown (30%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE- 30% Gray salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, carbonaceous inclusions, clay matrix, unconsolidated in part, calcareous cement, friable, no show

LIMESTONE-10% Tan medium to dark brown, cryptocrystalline to microcrystalline, firm, trace brown stain, slow weak residual yellow cut

3480-3510 SHALE-50% Medium to dark gray (70%) brown (30%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE- 30% Gray salt and pepper, very fine (lower) to medium (upper) grained, sub angular, poorly sorted, carbonaceous inclusions, clay matrix, unconsolidated in part, calcareous cement, friable, no show

LIMESTONE-20% Tan medium to dark brown, cryptocrystalline to microcrystalline, firm, trace brown stain, slow weak residual yellow cut

3510-40 SHALE-50% Medium to dark gray (70%) brown (30%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE- 40% Gray salt and pepper, very fine (lower) to medium (upper) grained, sub angular, poorly sorted, carbonaceous inclusions, clay matrix, unconsolidated in part, calcareous cement, friable, no show

LIMESTONE-10% Tan medium to dark brown, cryptocrystalline to microcrystalline, firm, trace brown stain, slow weak residual yellow cut

3540-70 SHALE-50% Medium to dark gray (70%) brown (30%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE- 30% Gray salt and pepper, very fine (lower) to medium (upper) grained, sub angular, poorly sorted, carbonaceous inclusions, clay matrix, unconsolidated in part, calcareous cement, friable, no show

LIMESTONE-20% Tan medium to dark brown, cryptocrystalline to microcrystalline, firm, trace hairline fractures with brown stain, slow weak residual yellow cut

3570-3600 SHALE-50% Medium to dark gray (70%) brown (30%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE- 40% Gray salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, carbonaceous inclusions, clay matrix, unconsolidated in part, calcareous cement, fair porosity, friable, no show

LIMESTONE-10% Tan medium to dark brown, cryptocrystalline to microcrystalline, firm, trace brown stain, slow weak residual yellow cut

3600-30 SHALE-60% Medium to dark gray (70%) brown (30%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE- 20% Gray salt and pepper, very fine (lower) to medium (upper) grained, sub angular, poorly sorted, carbonaceous inclusions, clay matrix, unconsolidated in part, calcareous cement, fair porosity, friable, no show

LIMESTONE-20% Tan medium to dark brown, cryptocrystalline to microcrystalline, firm, trace brown stain, slow weak residual yellow cut

3630-60 SHALE-50% Medium to dark gray (70%) brown (30%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE- 40% Gray salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, micaceous, clay matrix, unconsolidated in part, calcareous cement, friable, no show

LIMESTONE-10% Tan medium to dark brown, cryptocrystalline to microcrystalline, firm, trace brown stain, slow weak residual yellow cut

3660-90 SHALE-60% Medium to dark gray (70%) brown (30%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE-30% Gray salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, micaceous, clay matrix, unconsolidated in part, calcareous cement, friable, no show

LIMESTONE-10% Tan medium to dark brown, cryptocrystalline to microcrystalline, firm, trace brown stain, slow weak residual yellow cut

3690-3720 SHALE-70% Medium to dark gray (90%) brown (10%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -30% Gray salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, micaceous, clay matrix, unconsolidated in part, calcareous cement, friable, no show

3720-50 SHALE-70% Medium to dark gray (80%) brown (20%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -30% Gray salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, micaceous, clay matrix, unconsolidated in part, calcareous cement, friable, no show

3750-80 SHALE-80% Medium to dark gray (80%) brown (20%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -20%Gray salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, micaceous, clay matrix, unconsolidated in part, calcareous cement, friable, no show

3780-3810 SHALE-50% Medium to dark gray (80%) brown (20%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -40% Gray salt and pepper, very fine (lower) to medium (upper) grained, sub angular, poorly sorted, poorly cemented, clay matrix, unconsolidated in part, calcareous cement, friable, no show

LIMESTONE-10%Brown gray, cryptocrystalline to microcrystalline, argillaceous, firm, no show

Trace Coal- Black, bituminous

3810-40 SHALE-70% Medium to dark gray (80%) brown (20%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -30% Gray salt and pepper, very fine (lower) to medium (upper) grained, sub angular, poorly sorted, poorly cemented, clay matrix, unconsolidated in part, calcareous cement, friable, no show

3840-70 SHALE-70% Medium to dark gray (80%) brown (20%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -20% Gray salt and pepper, very fine (lower) to medium (upper) grained, sub angular, poorly sorted, poorly cemented, clay matrix, unconsolidated in part, calcareous cement, friable, no show

LIMESTONE-10%Brown gray, cryptocrystalline to microcrystalline, argillaceous, firm, no show

3870-3900 SHALE-60% Medium to dark gray (80%) brown (20%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -40% Gray salt and pepper, very fine (lower) to medium (upper) grained, sub angular, poorly sorted, poorly cemented, clay matrix, unconsolidated in part, calcareous cement, friable, no show

3900-30 SHALE-50% Medium to dark gray (80%) brown (20%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -50% Gray white salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, poorly cemented, clay matrix, micaceous, carbonaceous inclusions, unconsolidated in part, calcareous cement, friable, no show

3930-60 SHALE-60% Medium to dark gray (70%) brown (30%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -30% Gray white salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, poorly cemented, clay matrix, micaceous, carbonaceous inclusions, unconsolidated in part, calcareous cement, friable, no show

LIMESTONE-10% Tan light brown, cryptocrystalline to microcrystalline, argillaceous, chalky in part, soft, no show

3960-90 SHALE-70% Medium to dark gray (40%) light to dark brown (60%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -20% Gray white salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, poorly cemented, clay matrix, micaceous, carbonaceous inclusions, unconsolidated in part, calcareous cement, friable, no show

LIMESTONE-10% Tan light brown, cryptocrystalline to microcrystalline, argillaceous, chalky in part, soft, no show

3990-4020 SHALE-60% Medium to dark gray (40%) light to dark brown (60%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -30% Gray white salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, poorly cemented, clay matrix, micaceous, carbonaceous inclusions, unconsolidated in part, calcareous cement, friable, no show

LIMESTONE-10% Tan light brown, cryptocrystalline to microcrystalline, argillaceous, chalky in part, soft, no show

4020-50 SHALE-60% Medium to dark gray (40%) light to dark brown (60%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -20% Gray white salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, poorly cemented, clay matrix, micaceous, carbonaceous inclusions, unconsolidated in part, calcareous cement, friable, no show

LIMESTONE-20% Tan light gray, cryptocrystalline to microcrystalline, argillaceous, chalky in part, soft, no show

4050-80 SHALE-60% Medium to dark gray (30%) light to dark brown (70%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -10% Gray white salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, poorly cemented, clay matrix, micaceous, carbonaceous inclusions, unconsolidated in part, calcareous cement, friable, no show

LIMESTONE-30% Tan brown light gray, cryptocrystalline to microcrystalline, argillaceous, chalky in part, soft, no show

4080-4110 SHALE-70% Medium to dark gray (30%) light to dark brown (70%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -10% Gray white salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, poorly cemented, clay matrix, micaceous, carbonaceous inclusions, unconsolidated in part, calcareous cement, friable, no show

LIMESTONE-20% Tan light gray, cryptocrystalline to microcrystalline, argillaceous, chalky in part, soft, no show

4110-40 SHALE-60% Medium to dark gray (30%) light to dark brown (70%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -40% Gray white salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, poorly cemented, clay matrix, micaceous, carbonaceous inclusions, unconsolidated in part, calcareous cement, friable, fair porosity, no show

4140-70 SHALE-80% Medium to dark gray (20%) light to dark brown (80%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -10% Gray white salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, poorly cemented, clay matrix, micaceous, carbonaceous inclusions, unconsolidated in part, calcareous cement, friable, no show

LIMESTONE-10% Tan light gray, cryptocrystalline to microcrystalline, argillaceous, chalky in part, soft, no show

4170-4200 SHALE-80% Medium to dark gray (80%) light to dark brown (20%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -20% Gray white salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, poorly cemented, clay matrix, micaceous, carbonaceous inclusions, unconsolidated in part, calcareous cement, friable, fair porosity, no show

4200-30 SHALE-80% Medium to dark gray (80%) light to dark brown (20%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -20% Gray white salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, poorly cemented, clay matrix, micaceous, carbonaceous inclusions, unconsolidated in part, calcareous cement, friable, fair porosity, no show

4230-60 SHALE-80% Medium to dark gray (30%) light to dark brown (70%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -10% Gray white salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, poorly cemented, clay matrix, micaceous, carbonaceous inclusions, unconsolidated in part, calcareous cement, friable, no show

LIMESTONE-10% Tan light gray, cryptocrystalline to microcrystalline, argillaceous, chalky in part, soft, no show

4260-90 SHALE-90% Medium to dark gray (60%) light to dark brown (40%) blocky to platy, earthy, silty, firm, calcareous to limy

LIMESTONE-10% Tan light gray, cryptocrystalline to microcrystalline, argillaceous, chalky in part, soft, no show

4290-4320 SHALE-80% Light to medium gray (90%) light to dark brown (10%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -10% Light gray white salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, poorly cemented, clay matrix, pyrite, carbonaceous inclusions, unconsolidated in part, calcareous cement, friable, no show

4320-50 SHALE-60% Light to medium gray (90%) light to dark brown (10%) blocky to platy, earthy, silty, firm, calcareous to limy

SANDSTONE -40% Light gray white salt and pepper, very fine (lower) to coarse (lower) grained, sub angular, poorly sorted, poorly cemented, clay matrix, pyrite, carbonaceous inclusions, unconsolidated in part, calcareous cement, friable, no show

4350-80	**SHALE-100% Light to dark brown (90%) light to medium gray (10%), blocky, earthy, limy, soft, immediate streaming yellow cut**
4380-4410	**SHALE-100% Light to dark brown (90%) light to medium gray (10%), blocky, earthy, limy, soft, with calcite filled fractures, immediate streaming yellow cut**
4410-40	**SHALE-100% Light to dark brown (80%) light to medium gray (20%), blocky, earthy, limy, soft, with calcite filled fractures, immediate streaming yellow cut**
4440-70	**SHALE-100% Light to dark brown (100%), blocky, earthy, limy, soft, with calcite filled fractures, immediate streaming yellow cut**
4470-4500	**SHALE-100% Light to dark brown (100%), blocky, earthy, limy, soft, with calcite filled fractures, immediate streaming yellow cut**
4500-30	**SHALE-100% Light to dark brown (100%), blocky, earthy, limy, soft, with occasional calcite filled fractures, immediate streaming yellow cut**
4530-60	**SHALE-100% Light to dark brown (100%), blocky, earthy, limy, soft, with occasional calcite filled fractures, immediate streaming yellow cut**
4560-90	**SHALE-100% Light to dark brown (100%), blocky, earthy, limy, soft, with occasional calcite filled fractures, immediate streaming yellow cut**
4590-4620	**SHALE-100% Light to dark brown (100%), blocky, earthy, limy, soft, with occasional calcite filled fractures, immediate streaming yellow cut**
4620-50	**SHALE-100% Light to dark brown (100%), blocky, earthy, limy, soft, with occasional calcite filled fractures, immediate streaming yellow cut**

4650-80	**SHALE-100% Light to medium brown gray brown (80%) light to medium gray (20%), blocky, earthy, limy, soft, immediate streaming yellow cut**
4680-4710	**SHALE-100% Light to medium brown gray brown (60%) light to medium gray (40%), blocky, earthy, limy, soft, immediate streaming yellow cut**
4710-40	**SHALE-100% Light to medium brown gray brown (60%) light to medium gray (40%), blocky, earthy, limy, soft, immediate streaming yellow cut**
4740-70	**SHALE-100% Light to medium brown gray brown (80%) light to medium gray (20%), blocky, earthy, limy, soft, occasional calcite fracture frill, immediate streaming yellow cut**
4770-4800	**SHALE-100% Light to medium brown gray brown (100%), blocky, earthy, limy, soft, immediate streaming yellow cut**
4800-30	**SHALE-90% Light to medium brown gray brown (100%), blocky, earthy, limy, soft, immediate streaming yellow cut** **LIMESTONE-10% Brown tan, cryptocrystalline to microcrystalline, argillaceous, chalky in part, soft to firm**
4830-60	**SHALE-90% Light to medium brown gray brown (100%), blocky, earthy, limy, soft, immediate streaming yellow cut** **LIMESTONE-10% Brown tan, cryptocrystalline to microcrystalline, argillaceous, chalky in part, soft to firm**
4860-90	**SHALE-90% Light to medium brown gray brown (100%), blocky, earthy, limy, soft, immediate streaming yellow cut** **LIMESTONE-10% Brown tan, cryptocrystalline to microcrystalline, argillaceous, chalky in part, soft to firm**

4890-4920	**SHALE-90% Light to medium brown gray brown (100%), black carbonaceous lens, blocky, earthy, limy, soft, immediate streaming yellow cut, Abundant Dark Brown Asphaltic Oil over Shaker** **LIMESTONE-10% Brown tan, cryptocrystalline to microcrystalline, argillaceous, chalky in part, soft to firm**
4920-50	**SHALE-100% Light to dark brown gray brown (60%) light gray (40%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples**
4950-80	**SHALE-100% Light to dark brown gray brown (90%) light gray (10%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples**
4980-5010	**SHALE-90% Light to dark brown gray brown (80%) light gray (20%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples** **LIMESTONE-10% Light to medium brown, chalky, mudstone, argillaceous, soft**
5010-40	**SHALE-100% Light to dark brown gray brown (90%) light gray (10%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples**
5040-70	**SHALE-100% Light to dark brown gray brown (90%) light gray (10%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples**
5070-5100	**SHALE-100% Light to dark brown gray brown (90%) light gray (10%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples**
5100-30	**SHALE-100% Light to dark brown gray brown (90%) light gray (10%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples**

5130-60	**SHALE-100% Light to dark brown gray brown (90%) light gray (10%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples**
5160-90	**SHALE-100% Light to dark brown gray brown (90%) light gray (10%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples**
5190-5220	**SHALE-100% Light to dark brown gray brown (90%) light gray (10%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples**
5220-50	**SHALE-100% Light to dark brown gray brown (90%) light gray (10%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples**
5250-80	**SHALE-100% Light to dark brown gray brown (90%) light gray (10%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples**
5280-5310	**SHALE-100% Light to dark brown gray brown (90%) light gray (10%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples**
5310-40	**SHALE-100% Light to dark brown gray brown (90%) light gray (10%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples**
5340-70	**SHALE-90% Light to dark brown gray brown (80%) light gray (20%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples** **LIMESTONE-10% Light brown gray brown, cryptocrystalline to microcrystalline, chalky, mudstone, argillaceous, soft**

5370-5400	**SHALE-90% Light to dark brown gray brown (90%) light gray (10%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples** **LIMESTONE-10% Light brown gray brown, cryptocrystalline to microcrystalline, chalky, mudstone, argillaceous, soft**
5400-30	**SHALE-90% Light to dark brown gray brown (90%) light gray (10%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples** **LIMESTONE-10% Light brown gray brown, cryptocrystalline to microcrystalline, chalky, mudstone, argillaceous, soft**
5430-60	**SHALE-90% Light to dark brown gray brown (90%) light gray (10%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples** **LIMESTONE-10% Light brown gray brown, cryptocrystalline to microcrystalline, chalky, mudstone, argillaceous, soft**
5460-90	**SHALE-90% Light to dark brown gray brown (80%) light gray (20%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples** **LIMESTONE-10% Light brown gray brown, cryptocrystalline to microcrystalline, chalky, mudstone, argillaceous, soft**
5490-5520	**SHALE-80% Light to dark brown gray brown (80%) light gray (20%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples** **LIMESTONE-20% Light to medium brown gray brown, cryptocrystalline to microcrystalline, predominately chalky, mudstone, argillaceous, soft**

5520-50 SHALE-80% Light to dark brown gray brown (80%) light gray (20%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples

LIMESTONE-20% Light to medium brown gray brown, cryptocrystalline to microcrystalline, predominately chalky, mudstone, argillaceous, soft

5550-80 SHALE-80% Light to dark brown gray brown (80%) light gray (20%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples

LIMESTONE-20% Light to medium brown gray brown, cryptocrystalline to microcrystalline, predominately chalky, mudstone, argillaceous, soft

5580-5610 SHALE-100% Light to medium gray (70%) medium to dark brown (30%), blocky, earthy, soft, limy

5610-40 SHALE-100% Medium to dark brown gray brown (80%) light gray (20%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples

5640-70 SHALE-100% Medium to dark brown gray brown (80%) light gray (20%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples

5670-5700 SHALE-80% Light to dark brown gray brown (80%) light gray (20%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples

LIMESTONE-20% Tan light brown gray brown, cryptocrystalline to microcrystalline, predominately chalky, mudstone, argillaceous, soft

5700-30	**SHALE-80% Light to dark brown gray brown (80%) light gray (20%), blocky, earthy, limy, soft, trace calcite filled fractures, immediate streaming yellow cut, dark brown asphaltic oil in samples** **LIMESTONE-20% Light to medium brown gray brown, cryptocrystalline to microcrystalline, predominately chalky, mudstone, argillaceous, soft**
5730-60	**SHALE-80% Medium to dark brown gray brown (80%) light gray (20%), blocky, earthy, limy, soft, trace calcite filled fractures, immediate streaming yellow cut, dark brown asphaltic oil in samples** **LIMESTONE-20% Light to medium brown gray brown, cryptocrystalline to microcrystalline, predominately chalky, mudstone, argillaceous, soft**
5760-90	**SHALE-60% Medium to dark brown (80%) light to medium gray (20%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples** **LIMESTONE-40% Off white light gray, predominately chalky, mudstone, argillaceous, very soft**
5790-5820	**SHALE-80% Medium to dark brown (80%) light to medium gray (20%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples** **LIMESTONE-20% Off white light gray, predominately chalky, mudstone, argillaceous, very soft**
5820-50	**SHALE-90% Medium to dark brown (80%) light to medium gray (20%), blocky, earthy, limy, soft, immediate streaming yellow cut, dark brown asphaltic oil in samples** **LIMESTONE-10% Off white light gray, predominately chalky, mudstone, argillaceous, very soft**
5850-80	**SHALE-100% Light to dark brown, blocky, earthy, black carbonaceous inclusions, limy, immediate streaming yellow cut**

5880-5910	**SHALE-100% Light to dark brown, blocky, earthy, black carbonaceous inclusions, limy, immediate streaming yellow cut**
5910-40	**SHALE-70% Light to dark brown, blocky, earthy, trace black carbonaceous inclusions, limy, immediate streaming yellow cut** **LIMESTONE-30% Tan off white, chalky, argillaceous, very soft**
5940-70	**SHALE-90% Light to dark brown, blocky, earthy, trace black carbonaceous inclusions, limy, immediate streaming yellow cut** **LIMESTONE-10% Tan off white, chalky, argillaceous, very soft**
5970-6000	**SHALE-80% Light to medium brown, blocky, earthy, limy, immediate streaming yellow cut** **LIMESTONE-20% Tan off white, chalky, argillaceous, very soft**
6000-30	**SHALE-80% Light to medium brown, blocky, earthy, limy, immediate streaming yellow cut abundant dark brown oil after sweep** **LIMESTONE-20% Tan off white, chalky, argillaceous, very soft**
6030-60	**SHALE-90% Light to medium brown, blocky, earthy, limy, immediate streaming yellow cut** **LIMESTONE-10% Tan off white, chalky, argillaceous, very soft**
6060-90	**SHALE-100% Dark brown, blocky, earthy, black carbonaceous inclusions, soft, limy, immediate streaming yellow cut**
6090-6120	**SHALE-100% Dark brown, blocky, earthy, black carbonaceous inclusions, soft, limy, immediate streaming yellow cut**
6120-50	**SHALE-100% Dark brown, blocky, earthy, black carbonaceous inclusions, soft, limy, immediate streaming yellow cut**

6150-80	**SHALE-90% Medium to dark brown (70%) medium to dark gray (30%), blocky, earthy, soft to firm, immediate streaming yellow cut** **LIMESTONE-10% Gray brown tan, cryptocrystalline to microcrystalline, chalky in part, argillaceous, soft to firm**
6180-6210	**SHALE-100% Medium to dark brown (40%) medium to dark gray (60%), blocky, earthy, soft to firm, immediate streaming yellow cut**
6210-40	**SHALE-100% Medium to dark brown (90%) medium to dark gray (10%), blocky, earthy, soft to firm, immediate streaming yellow cut**
6240-70	**SHALE-60% Medium to dark brown (40%) medium to dark gray (60%), blocky, earthy, soft to firm, immediate streaming yellow cut** **LIMESTONE-40% Gray tan, chalky, argillaceous, v soft possibly Trona**
6270-6300	**SHALE-90% Medium to dark brown (90%) medium to dark gray (10%), blocky, earthy, soft to firm, immediate streaming yellow cut** **LIMESTONE-10% Gray tan, chalky, argillaceous, very soft possibly Trona**
6300-30	**SHALE-60% Medium to dark brown (40%) medium to dark gray (60%), blocky, earthy, soft to firm, immediate streaming yellow cut** **LIMESTONE-40% Gray tan, chalky, argillaceous, very soft possibly Trona**
6330-60	**SHALE-80% Medium to dark brown (90%) medium to dark gray (10%), blocky, earthy, soft to firm, immediate streaming yellow cut** **LIMESTONE-20% Gray tan, chalky, argillaceous, v soft possibly Trona**

6360-90 SHALE-60% Medium to dark brown (70%) medium to dark gray (30%), blocky, earthy, soft to firm, immediate streaming yellow cut

SILTSTONE-20% Light to medium gray, arenaceous, argillaceous, firm, calc

SANDSTONE-10% Light to medium gray salt and pepper, very fine (lower) to fine (lower) grained, sub angular, well sorted, carbonaceous inclusions, clay matrix, tight, calcareous cement, friable, no show

LIMESTONE-10% Brown tan, cryptocrystalline to microcrystalline, chalky in part, argillaceous, soft to firm

6390-6420 SHALE-50% Medium to dark brown (20%) medium to dark gray (80%), blocky, earthy to sub waxy, soft to firm, calcareous

SILTSTONE-30% Medium to dark gray, arenaceous, argillaceous, firm, calc

SANDSTONE-20% Light to medium gray salt and pepper, very fine (lower) to fine (lower) grained, sub angular, well sorted, carbonaceous inclusions, clay matrix, tight, calcareous cement, friable, no show

6420-50 SHALE-80% Medium to dark gray (70%) light to dark brown (30%) blocky, earthy, soft, calcareous

LIMESTONE-20% Light brown tan, cryptocrystalline to microcrystalline, argillaceous, firm

6450-80 SHALE-100% Light to medium gray (70%) light to dark brown (30%), blocky, earthy, soft, calcareous

6480-6510 SHALE-100% Light to medium gray (50%) light to dark brown (50%), blocky, earthy, soft, calcareous

6510-40	**SHALE-100% Light to medium gray (20%) medium to dark brown black (80%), blocky, earthy, carbonaceous in part, soft, calcareous, immediate streaming yellow cut**
6540-70	**SHALE-100% Light to medium gray (20%) medium to dark brown black (80%), blocky, earthy, carbonaceous in part, soft, calcareous, immediate streaming yellow cut**
6570-6600	**SHALE-100% Medium to dark brown black (80%) light to medium gray (20%), blocky, earthy, carbonaceous in part, soft, calcareous, immediate streaming yellow cut**
6600-30	**SHALE-100% Medium to dark brown black (80%) light to medium gray (20%), blocky, earthy, carbonaceous in part, soft, calcareous, immediate streaming yellow cut**
6630-60	**SHALE-100% Medium to dark brown black (50%) light to medium gray (50%), blocky, earthy, carbonaceous in part, soft, calcareous,**
6660-90	**SHALE-70% Medium to dark brown black (50%) light to medium gray (50%), blocky, earthy, carbonaceous in part, soft, calcareous** **LIMESTONE-30% Tan off white, cryptocrystalline to microcrystalline, argillaceous, firm**
6690-6720	**SHALE-80% Medium to dark brown black (50%) light to medium gray (50%), blocky, earthy, carbonaceous in part, soft, calcareous** **LIMESTONE-20% Tan off white, cryptocrystalline to microcrystalline, argillaceous, firm**
6720-50	**SHALE-100% Light to dark brown black (100%), blocky, earthy, carbonaceous in part, soft, calcareous, slow streaming blue white cut**

6750-80	**SHALE-100% Light to dark brown black (100%), blocky, earthy, carbonaceous in part, soft, limy, slow streaming blue white cut**
6780-6810	**SHALE-100% Light to dark brown black (100%), blocky, earthy, carbonaceous in part, soft, limy, slow streaming blue white cut**
6810-40	**SHALE-100% Light to dark brown black (100%), blocky, earthy, carbonaceous in part, soft, limy, slow streaming blue white cut**
6840-70	**SHALE-100% Light to dark brown black (80%) light to medium gray (20%), blocky, earthy, carbonaceous in part, soft, limy, slow streaming blue white cut**
6870-6900	**SHALE-100% Light to dark brown black (90%) light to medium gray (10%), blocky, earthy, carbonaceous in part, soft, limy, slow streaming blue white cut**
6900-30	**SHALE-100% Light to dark brown black (90%) light to medium gray (10%), blocky, earthy, carbonaceous in part, trace calcite filled fractures, soft, limy, slow streaming blue white cut**
6930-60	**SHALE-100% Light to dark brown black (80%) light to medium gray (20%), blocky, earthy, carbonaceous in part, trace black carbonaceous lens, trace calcite filled fractures, soft, limy, slow streaming blue white cut**
6960-90	**SHALE-100% Light to dark brown black (100%), blocky, earthy, carbonaceous in part, soft, limy, slow streaming blue white cut**
6990-7020	**SHALE-100% Light to dark brown black (100%), blocky, earthy, carbonaceous in part, soft, limy to dolomitic in part, slow streaming blue white cut**

7020-50	**SHALE-100% Light to dark brown black (100%), blocky, earthy, soft, limy, slow streaming blue white cut**
7050-80	**SHALE-90% Light to dark brown black (80%) light to medium gray (20%), blocky, earthy, carbonaceous in part, trace calcite filled fractures, soft to firm, limy, slow streaming blue white cut** **LIMESTONE-10% Tan, chalky, argillaceous, soft, no show**
7080-7110	**SHALE-90% Light to dark brown black (100%), blocky, earthy, black carbonaceous lens, soft to firm, limy, slow streaming blue white cut** **LIMESTONE-10% Tan, chalky, argillaceous, soft, no show**
7110-40	**SHALE-100% Light to dark brown black (70%) light to medium gray (30%), blocky, earthy, soft to firm, limy, slow streaming blue white cut, abundant dark brown asphaltic oil in sample from sweep**
7140-70	**SHALE-100% Light to dark brown black (70%) light to medium gray (30%), blocky, earthy, soft to firm, limy, slow streaming blue white cut, abundant dark brown asphaltic oil in sample from sweep**
7170-7200	**SHALE-100% Light to dark brown black (70%) light to medium gray (30%), blocky, earthy, soft to firm, limy, slow streaming blue white cut, abundant dark brown asphaltic oil in sample from down time**
7200-30	**SHALE-70% Light to dark brown black (70%) light to medium gray (30%), blocky, earthy, soft to firm, limy, slow streaming blue white cut, abundant dark brown asphaltic oil in sample from sweep** **LIMESTONE-30% Dark gray brown tan cryptocrystalline to microcrystalline, argillaceous, hairline fractures and calcite filled fractures, slow weak milky blue white cut**

7230-60	**SHALE-90% Light to dark brown black (100%), blocky, earthy, soft to firm, limy, slow streaming blue white cut, abundant dark brown asphaltic oil in sample from down time** **LIMESTONE-10% Dark gray brown tan cryptocrystalline to microcrystalline, argillaceous, hairline fractures and calcite filled fractures, slow weak milky blue white cut**
7260-90	**SHALE-80% Light to dark brown black (100%), blocky, earthy, soft to firm, limy, slow streaming blue white cut, abundant dark brown asphaltic oil in sample from down time** **LIMESTONE-20% Dark gray brown tan cryptocrystalline to microcrystalline, argillaceous, hairline fractures and calcite filled fractures, slow weak milky blue white cut**
7290-7320	**SHALE-100% Medium to dark brown black (70%) Medium to dark gray (30%), blocky, earthy, soft to firm, limy, slow streaming blue white cut**
7320-50	**SHALE-70% Medium to dark brown black (70%) Medium to dark gray (30%), blocky, earthy, soft to firm, limy, slow streaming blue white cut** **LIMESTONE-30% Brown gray brown tan cryptocrystalline to microcrystalline, argillaceous, hairline fractures, slow weak milky blue white cut**
7350-80	**SHALE-80% Light to dark brown black (70%) Medium to dark gray (30%), blocky, earthy, soft to firm, limy, slow streaming blue white cut** **LIMESTONE-30% Brown gray brown tan cryptocrystalline to microcrystalline, argillaceous, hairline fractures, slow weak milky blue white cut**

7380-7410	**SHALE-50% Medium to dark brown black (90%) Medium to dark gray (10%), blocky, earthy, soft to firm, limy, slow streaming blue white cut** **LIMESTONE-50% Brown gray brown tan cryptocrystalline to microcrystalline, argillaceous, hairline fractures, slow weak milky blue white cut**
7410-40	**SHALE-70% Medium to dark brown black (70%) light to medium gray (30%), blocky, earthy, black carbonaceous lens, soft to firm, limy, slow streaming blue white cut** **LIMESTONE-30% Brown gray brown tan cryptocrystalline to microcrystalline, argillaceous, hairline fractures, slow weak milky blue white cut**
7440-70	**SHALE-80% Light gray green gray (70%) light to medium brown (30%) , blocky, earthy to sub waxy, soft, limy, no show** **LIMESTONE-20% Brown gray brown tan cryptocrystalline to microcrystalline, argillaceous, hairline fractures, slow weak milky blue white cut**
7470-7500	**SHALE-70% Light gray green gray (70%) light to medium brown (30%) , blocky, earthy to sub waxy, soft, limy, no show** **SILTSTONE-10% Light gray, arenaceous, argillaceous, friable, calcareous, no show** **LIMESTONE-20% Light gray white brown, cryptocrystalline, predominately chalky, argillaceous, soft, no show**
7500-30	**SHALE-60% Light gray green gray (40%) light to medium brown (60%) , blocky, earthy to sub waxy, soft, limy, no show** **SILTSTONE-10% Light gray, arenaceous, argillaceous, friable, calcareous, no show** **LIMESTONE-30% Light gray white brown, cryptocrystalline, predominately chalky, argillaceous, soft, no show**

7530-60 SHALE-50% Light gray green gray (30%) light to medium brown (70%), blocky, earthy to sub waxy, soft, limy, no show

SILTSTONE-10% Light gray, arenaceous, argillaceous, friable, calcareous, no show

LIMESTONE-40% Tan light brown, cryptocrystalline to microcrystalline, argillaceous, hairline fractures, soft, no show

7560-90 SHALE-50% Light gray green gray (30%) light to medium brown (70%), blocky, earthy to sub waxy, soft, limy, no show

LIMESTONE-50% Tan light brown gray brown, cryptocrystalline to microcrystalline, chalky, argillaceous, hairline fractures, soft, no show

7590-7620 SHALE-70% Light gray green gray (70%) light to medium brown (30%), blocky, earthy to sub waxy, soft, limy, no show

LIMESTONE-30% Tan light brown gray brown, cryptocrystalline to microcrystalline, chalky, argillaceous, hairline fractures, soft, no show

7620-50 SHALE-20% Light gray green gray (80%) light to medium brown (20%), blocky, earthy to sub waxy, soft, limy, no show

LIMESTONE-50% Tan light brown, cryptocrystalline, chalky, argillaceous, soft, no show

7650-80 SHALE-60% Light to medium gray (80%) light to medium brown (20%), blocky, earthy to sub waxy, soft, limy, no show

LIMESTONE-40% Tan light brown, cryptocrystalline, chalky, argillaceous, soft, no show

7680-7710 SHALE-70% Light to medium gray (70%) light to medium brown (30%), blocky, earthy to sub waxy, soft, limy, no show

LIMESTONE-30% Tan light brown, cryptocrystalline, chalky, argillaceous, soft, no show

7710-40	**SHALE-80% Light to medium gray (60%) light to medium brown (40%), blocky, earthy to sub waxy, soft, limy, no show** **LIMESTONE-20% Tan light brown, cryptocrystalline, chalky, argillaceous, soft, no show**
7740-70	**SHALE-90% Light to medium gray (80%) light to dark brown (20%), blocky, earthy to sub waxy, soft, limy, no show** **LIMESTONE-30% Tan light brown, cryptocrystalline, chalky, argillaceous, soft, no show**
7770-7800	**SHALE-70% Light to medium gray (100%), blocky, earthy to sub waxy, soft, limy, no show** **LIMESTONE-30% Light gray, cryptocrystalline to microcrystalline, hairline fractures, argillaceous, firm, no show**
7800-30	**SHALE-70% Light to dark gray (100%), blocky, earthy to sub waxy, soft, limy, no show** **LIMESTONE-30% Light gray, cryptocrystalline to microcrystalline, hairline fractures, argillaceous, firm, no show**
7830-60	**SHALE-80% Light to dark gray black (70%) dark brown (30%), blocky, earthy, carbonaceous in part, soft, limy, no show** **LIMESTONE-20% Light to medium gray, cryptocrystalline to microcrystalline, hairline fractures, argillaceous, firm, no show**
7860-90	**SHALE-90% Light to medium gray (100%), blocky to platy, earthy to sub waxy, soft, limy, no show** **LIMESTONE-10% Light to medium gray, cryptocrystalline to microcrystalline, hairline fractures, argillaceous, firm, no show**

7890-7920 SHALE-90% Medium to dark gray black (100%), blocky to platy, earthy, carbonaceous in part, soft, limy, no show continues oil on samples

LIMESTONE-10% Light to medium gray, cryptocrystalline to microcrystalline, hairline fractures, argillaceous, firm, no show

7920-50 SHALE-100% Medium to dark gray black (100%), blocky to platy, earthy, carbonaceous in part, soft, limy, no show continues oil on samples

7950-80 SHALE-80% Medium to dark gray black (100%), blocky to platy, earthy, carbonaceous in part, soft, limy, no show continues oil on samples

LIMESTONE-20% Light to medium gray, cryptocrystalline to microcrystalline, hairline fractures, argillaceous, firm, no show

7980-8010 SHALE-90% Medium to dark gray black (70%) dark brown (30%), blocky to platy, earthy, carbonaceous in part, soft, limy, no show continues oil on samples

LIMESTONE-10% Light to medium gray, cryptocrystalline to microcrystalline, hairline fractures, argillaceous, firm, no show

8010-40 SHALE-90% Medium to dark gray (100%), blocky to platy, earthy, carbonaceous in part, soft, limy, no show continues oil on samples

LIMESTONE-10% Light to medium gray, cryptocrystalline to microcrystalline, hairline fractures, argillaceous, firm, no show

8040-70 SHALE-90% Medium to dark gray black (100%), blocky to platy, earthy, carbonaceous in part, soft, limy, no show continues oil on samples

LIMESTONE-10% Light to medium gray, cryptocrystalline to microcrystalline, hairline fractures, argillaceous, firm, no show

6070-8100	**SHALE-80% Dark gray black (80%) dark brown (20%), blocky, earthy, carbonaceous, trace calcite filled fractures, soft to firm, limy, no show continues oil on samples** **LIMESTONE-20% Dark gray, cryptocrystalline to microcrystalline, hairline fractures, argillaceous, firm, no show**
8100-30	**SHALE-80% Dark gray black (80%) dark brown (20%), blocky, earthy, carbonaceous, trace calcite filled fractures, soft to firm, limy, no show continues oil on samples** **LIMESTONE-20% Dark gray, cryptocrystalline to microcrystalline, hairline fractures, argillaceous, firm, no show**
8130-60	**SHALE-60% Light to medium gray (100%), blocky, earthy, soft to firm, limy, no show continues oil on samples** **SILTSTONE-40% Light gray white, arenaceous, argillaceous, friable, soft, calcareous, no show**
8160-90	**SHALE-70% Light to medium gray (100%), blocky, earthy, soft to firm, limy, no show continues oil on samples** **SILTSTONE-30% Light gray white, arenaceous, argillaceous, friable, soft, calcareous, no show**
8190-8220	**SHALE-70% Light to medium gray (100%), blocky, earthy, soft to firm, limy, no show** **SILTSTONE-20% Light gray white, arenaceous, argillaceous, friable, soft, calcareous, no show** **LIMESTONE-10% Light gray tan, cryptocrystalline, predominately chalky, argillaceous, very soft**

8220-50	**SHALE-70% Dark brown black (80%) medium to dark gray (20%), blocky, earthy, carbonaceous, soft to firm, limy, immediate streaming yellow cut, continues oil on samples** **LIMESTONE-30% Dark gray dark brown, cryptocrystalline, chalky in part, argillaceous, soft, no show**
8250-80	**SHALE-60% Dark brown black (70%) medium to dark gray (30%), blocky, earthy, carbonaceous, soft to firm, limy, immediate streaming yellow cut, continues oil on samples** **LIMESTONE-40% Gray brown dark gray dark brown, cryptocrystalline, predominately chalky, argillaceous, very soft, no show**
8280-8310	**SHALE-50% Dark brown black (40%) medium to dark gray (60%), blocky, earthy, carbonaceous, soft to firm, limy, slow streaming yellow cut, continues oil on samples** **LIMESTONE-30%Gray brown dark gray, cryptocrystalline to microcrystalline, chalky in part, argillaceous, trace hairline fractures, soft, no show**
8310-40	**SHALE-70% Light to dark gray (90%) dark brown (10%), blocky, earthy, soft to firm, limy, no show** **LIMESTONE-10%Gray brown dark gray, cryptocrystalline to microcrystalline, chalky in part, argillaceous, trace hairline fractures, soft, no show**
8340-70	**SHALE-60% Light to dark gray (100%), blocky, earthy, soft to firm, limy, slow streaming yellow cut** **LIMESTONE-10%Gray brown, cryptocrystalline to microcrystalline, chalky in part, argillaceous, soft, no show**

8370-8400 SHALE-60% Light to dark gray gray brown(100%), blocky, earthy, soft to firm, limy, slow streaming yellow cut

LIMESTONE-10% Brown gray, cryptocrystalline to microcrystalline, chalky in part, argillaceous, soft, no show

8400-30 SHALE-70% Light to dark gray (100%), blocky, earthy, soft to firm, limy, slow streaming yellow cut

LIMESTONE-30%Gray brown, cryptocrystalline to microcrystalline, chalky in part, argillaceous, trace calcite filled fractures, soft, no show

8430-60 SHALE-70% Light to medium gray (80%) gray brown (20%), blocky, earthy to sub waxy, soft, limy, no show

LIMESTONE-30%Gray brown, cryptocrystalline to microcrystalline, chalky in part, argillaceous, soft to firm, no show

8460-90 SHALE-70% Light to medium gray (80%) gray brown (20%), blocky, earthy to sub waxy, soft, limy, no show

LIMESTONE-30%Graybrown tan, cryptocrystalline to microcrystalline, chalky in part, argillaceous soft to firm, no show

8490-8520 SHALE-70% Light to medium gray (80%) gray brown (20%), blocky, earthy to sub waxy, soft, limy, no show

LIMESTONE-30%Graybrown tan, cryptocrystalline to microcrystalline, chalky in part, argillaceous soft to firm, no show

8520-50 SHALE-60% Light to medium gray (80%) gray brown (20%), blocky, earthy to sub waxy, soft, limy, no show

LIMESTONE-40%Graybrown tan brown, cryptocrystalline to microcrystalline, chalky in part, argillaceous soft to firm, abundant oil in sample following sweep

8550-80 SHALE-70% Light to dark gray gray brown (100%), blocky, earthy to sub waxy, soft, limy, no show

LIMESTONE-30%Graybrown tan brown, cryptocrystalline to microcrystalline, chalky in part, argillaceous soft to firm

8580-8610 SHALE-70% Light to dark gray gray brown (100%), blocky, earthy to sub waxy, soft, limy, no show

LIMESTONE-30%Graybrown tan brown, cryptocrystalline to microcrystalline, chalky in part, argillaceous soft to firm

8610-40 Very Poor Sample Lost Circulation

SHALE-60% Light to dark gray gray brown (100%), blocky, earthy to sub waxy, soft, limy, no show

LIMESTONE-40%Graybrown tan brown, cryptocrystalline to microcrystalline, chalky in part, argillaceous soft to firm, abundant oil in sample following sweep

8640-70 Very Poor Sample abundant Limestone LCM, Bio Carb

SHALE-60% Light to dark gray gray brown (100%), blocky, earthy to sub waxy, soft, limy, no show

SANDSTONE-10% Clear frosted, medium (lower) to coarse (lower) grained, moderately sorted, poorly cemented, unconsolidated, friable, no show

LIMESTONE-30%Graybrown tan brown, cryptocrystalline to microcrystalline, chalky in part, argillaceous soft to firm, abundant oil in sample following sweep

8670-8700 **Very Poor Sample abundant Limestone LCM, Bio Carb**

SHALE-50% Light to dark gray gray brown (100%), blocky, earthy to sub waxy, soft, limy, no show

SANDSTONE-20% Clear frosted, fine (upper) to coarse (lower) grained, poorly sorted, poorly cemented, unconsolidated, friable, no show

LIMESTONE-30%Graybrown tan brown, cryptocrystalline to microcrystalline, chalky in part, argillaceous soft to firm, abundant oil in sample following sweep

8700-30 **Very Poor Sample abundant Limestone LCM, Bio Carb**

SHALE-40% Light to dark gray gray brown (100%), blocky, earthy to sub waxy, soft, limy, no show

SANDSTONE-30% Clear frosted, fine (upper) to coarse (lower) grained, poorly sorted, poorly cemented, unconsolidated, friable, no show

LIMESTONE-30% Light gray, cryptocrystalline, predominately chalky, argillaceous, soft

8730-60 **Very Poor Sample abundant Limestone LCM, Bio Carb**

SHALE-60% Light to dark gray gray brown (100%), blocky, earthy to sub waxy, soft, limy, no show

SANDSTONE-20% Clear frosted, fine (upper) to coarse (lower) grained, poorly sorted, poorly cemented, unconsolidated, friable, no show

LIMESTONE-20% Light gray, cryptocrystalline, predominately chalky, argillaceous, soft

8760-90 **Very Poor Sample abundant Limestone LCM, Bio Carb**

SHALE-60% Light to dark gray gray brown (100%), blocky, earthy to sub waxy, soft, limy, no show

SANDSTONE-20% Clear frosted, fine (upper) to coarse (lower) grained, poorly sorted, poorly cemented, unconsolidated, friable, no show

LIMESTONE-20% Light gray, cryptocrystalline, predominately chalky, argillaceous, soft

8790-8820 **Very Poor Sample abundant Limestone LCM, Bio Carb**

SHALE-60% Light to dark gray gray brown (100%), blocky, earthy to sub waxy, soft, limy, no show

SANDSTONE-10% Clear frosted, fine (upper) to coarse (lower) grained, poorly sorted, poorly cemented, unconsolidated, friable, no show

LIMESTONE-30% Light gray, cryptocrystalline, predominately chalky, argillaceous, soft

8820-50 **SHALE-70% Light to dark gray (100%), blocky, earthy to sub waxy, soft, limy, no show**

LIMESTONE-30% Light gray, cryptocrystalline, predominately chalky, argillaceous, soft

8850-80 **SHALE-60% Light to medium gray (80%) black dark brown (20%), blocky, earthy to sub waxy, carbonaceous in part, soft, limy, no show**

LIMESTONE-40% Dark brown light gray, cryptocrystalline, predominately chalky, argillaceous, soft

8880-8910	**SHALE-80% Black dark brown (80%) light to medium gray (20%), blocky, earthy, carbonaceous, soft, dolomitic, no show** **LIMESTONE-20% Light gray, cryptocrystalline, predominately chalky, argillaceous, soft**
8910-40	**SHALE-80% Black dark brown (80%) light to medium gray (20%), blocky, earthy, carbonaceous, soft, dolomitic, no show** **LIMESTONE-20% Light gray, cryptocrystalline, predominately chalky, argillaceous, soft**
8940-70	**SHALE-60% Black dark brown (60%) light to medium gray (40%), blocky, earthy, carbonaceous, soft, dolomitic, no show** **LIMESTONE-40% Light brown, cryptocrystalline, predominately chalky, argillaceous, very soft**
8970-9000	**SHALE-70% Light to medium gray (80%) black dark brown (20%), blocky, earthy, carbonaceous in part, soft, limy, no show** **LIMESTONE-30% Tan light gray, cryptocrystalline, predominately chalky, argillaceous, mudstone, soft**
9000-30	**SHALE-70% Light to medium gray (80%) black dark brown (20%), blocky, earthy, carbonaceous in part, soft, limy, no show** **LIMESTONE-30% Tan light gray, cryptocrystalline, predominately chalky, argillaceous, mudstone, soft**
9030-60	**SHALE-80% Light to medium gray (80%) black (20%), blocky, earthy, soft, limy, no show** **LIMESTONE-20% Tan light gray, cryptocrystalline, predominately chalky, argillaceous, mudstone, soft**

9060-90	**SHALE-60% Light to medium gray (90%) black dark brown (10%), blocky, earthy, soft, limy, no show** **LIMESTONE-40% Light gray, cryptocrystalline, predominately chalky, argillaceous, mudstone, very soft**
9090-9120	**SHALE-70% Light to medium gray (90%) black dark brown (10%), blocky, earthy, soft, limy, no show** **LIMESTONE-30% Light gray, cryptocrystalline to microcrystalline, predominately chalky, argillaceous, mudstone, very soft**
9120-50	**SHALE-70% Light to medium gray (90%) black dark brown (10%), blocky, earthy, soft, limy, no show** **LIMESTONE-30% Light gray, cryptocrystalline to microcrystalline, predominately chalky, argillaceous, mudstone, very soft**
9150-80	**SHALE-70% Light to medium gray (90%) black dark brown (10%), blocky, earthy, soft, limy, no show** **LIMESTONE-30% Light gray, cryptocrystalline to microcrystalline, predominately chalky, argillaceous, mudstone, very soft**
9180-9210	**SHALE-70% Light to medium gray (90%) black dark brown (10%), blocky, earthy, soft, limy, no show** **LIMESTONE-30% Light gray, cryptocrystalline to microcrystalline, chalky in part, argillaceous, mudstone, very soft**
9210-40	**SHALE-50% Black dark gray dark brown (70%) light to medium gray (30%) blocky, earthy, carbonaceous, soft, limy, weak milky, residual yellow cut** **LIMESTONE-50% Black dark brown, cryptocrystalline to microcrystalline, argillaceous, soft to firm, weak milky yellow residual cut**

9240-70 SHALE-60% Black dark gray dark brown (70%) light to medium gray (30%) blocky, earthy, carbonaceous, soft, limy, weak milky, residual yellow cut

LIMESTONE-40% Black dark gray, cryptocrystalline to microcrystalline, argillaceous, trace hairline fractures, soft to firm, weak milky yellow residual cut

9270-9300 SHALE-20% Black dark gray dark brown (70%) light to medium gray (30%) blocky, earthy, carbonaceous, soft, limy, weak milky, residual yellow cut

LIMESTONE-80% Black dark gray, cryptocrystalline to microcrystalline, argillaceous, trace hairline fractures, soft to firm, weak milky yellow residual cut

9300-30 SHALE-20% Black dark gray dark brown (70%) light to medium gray (30%) blocky, earthy, carbonaceous, soft, limy, weak milky, residual yellow cut

SANDSTONE-40% White light gray salt and pepper, very fine lower) to fine (upper) grained, sub rounded, well sorted, clay matrix, carbonaceous inclusions, calcareous cement, poor visible porosity, no show

LIMESTONE-40% Black dark gray, cryptocrystalline to microcrystalline, argillaceous, trace hairline fractures, soft to firm, weak milky yellow residual cut

9330-60 SHALE-10% Black dark gray dark brown (70%) light to medium gray (30%) blocky, earthy, carbonaceous, soft, limy, weak milky, residual yellow cut

SANDSTONE-60% White light gray salt and pepper, very fine lower) to fine (upper) grained, sub rounded, well sorted, clay matrix, carbonaceous inclusions, calcareous cement, poor visible porosity, no show

LIMESTONE-30% Black dark gray, cryptocrystalline to microcrystalline, argillaceous, soft to firm, no show

9360-90 **SHALE-20% Light to medium gray (100%) blocky, earthy, silty, soft, limy, no cut**

SANDSTONE-50% White light gray salt and pepper, very fine lower) to fine (upper) grained, sub rounded, well sorted, clay matrix, carbonaceous inclusions, calcareous cement, poor visible porosity, no show

LIMESTONE-30% Black dark gray, cryptocrystalline to microcrystalline, argillaceous, soft to firm, no show

9390-9420 **SHALE-20% Black dark gray dark brown (70%) light to medium gray (30%) blocky, earthy, carbonaceous, soft, limy, weak milky, residual yellow cut**

SANDSTONE-40% White light gray salt and pepper, very fine lower) to fine (upper) grained, sub rounded, well sorted, clay matrix, carbonaceous inclusions, calcareous cement, poor visible porosity, no show

LIMESTONE-40% Black dark brown, cryptocrystalline to microcrystalline, argillaceous, soft to firm, no show

9420-50 **SHALE-10% Black dark gray dark brown (70%) light to medium gray (30%) blocky, earthy, carbonaceous, soft, limy, weak milky, residual yellow cut**

SANDSTONE-30% White light gray salt and pepper, very fine lower) to fine (upper) grained, sub rounded, well sorted, clay matrix, carbonaceous inclusions, calcareous cement, poor visible porosity, no show

LIMESTONE-60% Black dark brown, cryptocrystalline to microcrystalline, marlstone, argillaceous, soft to firm, no show

9450-80	**SANDSTONE-20% White light gray salt and pepper, very fine lower) to fine (upper) grained, sub rounded, well sorted, clay matrix, carbonaceous inclusions, calcareous cement, poor visible porosity, no show** **LIMESTONE-80% Black dark brown, cryptocrystalline to microcrystalline, marlstone, argillaceous, carbonaceous, soft to firm, no show**
9480-9510	**SANDSTONE-10% White light gray salt and pepper, very fine lower) to fine (upper) grained, sub rounded, well sorted, clay matrix, carbonaceous inclusions, calcareous cement, poor visible porosity, no show** **LIMESTONE-90% Black dark brown, cryptocrystalline to microcrystalline, marlstone, argillaceous, carbonaceous, soft to firm, no show**
9510-40	**SANDSTONE-10% White light gray salt and pepper, very fine lower) to fine (upper) grained, sub rounded, well sorted, clay matrix, carbonaceous inclusions, calcareous cement, poor visible porosity, no show** **LIMESTONE-90% Dark gray black dark brown, cryptocrystalline to microcrystalline, marlstone, argillaceous, carbonaceous, soft to firm, no show**
9540-70	**LIMESTONE-100% Dark gray black dark brown, cryptocrystalline to microcrystalline, marlstone, argillaceous, carbonaceous, hairline fractures occasional calcite filled fractures, soft to firm, no show**
9570-9600	**LIMESTONE-100% Dark brown black, cryptocrystalline to microcrystalline, marlstone, argillaceous, carbonaceous, hairline fractures occasional calcite filled fractures, soft to firm, no show**
9600-30	**LIMESTONE-100% Dark brown black, cryptocrystalline to microcrystalline, marlstone, argillaceous, carbonaceous, hairline fractures occasional calcite filled fractures, soft to firm, no show**

9630-60	**LIMESTONE-100% Dark brown black, cryptocrystalline to microcrystalline, marlstone, argillaceous, carbonaceous, hairline fractures trace calcite filled fractures, soft to firm, no show**
9660-90	**Abundant Cement following intermediate casing**
9690-9720	**LIMESTONE-100% Dark gray dark brown black, cryptocrystalline, marlstone, argillaceous, carbonaceous, hairline fractures trace calcite filled fractures, soft to firm, no show**
9720-50	**LIMESTONE-100% Dark gray black, cryptocrystalline, marlstone, argillaceous, carbonaceous, trace calcite filled fractures, soft to firm, no show**
9750-80	**LIMESTONE-100% Dark gray dark brown black, cryptocrystalline, marlstone, argillaceous, carbonaceous, hairline fractures, soft, no show**
9780-9810	**LIMESTONE-100% Dark gray dark brown black, cryptocrystalline, marlstone, argillaceous, carbonaceous, hairline fractures, soft, no show**
9810-40	**LIMESTONE-100% Dark gray dark brown black, cryptocrystalline, marlstone, argillaceous, carbonaceous, hairline fractures, soft, no show**
9840-70	**LIMESTONE-100% Gray brown dark gray, cryptocrystalline, marlstone, argillaceous, carbonaceous, hairline fractures, soft, no show**

9870-9900 LIMESTONE-100% Gray brown light gray, cryptocrystalline, marlstone, argillaceous, carbonaceous, hairline fractures, soft, no show

9900-30 LIMESTONE-100% Light gray brown light gray, cryptocrystalline, marlstone, argillaceous, carbonaceous, hairline fractures, soft to firm, no show

9930-60 SANDSTONE-20% White salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderately sorted, white clay matrix, black carbonaceous inclusions, trace chlorite, friable, calcareous cement, tight, no show

LIMESTONE-80% Light gray brown light gray, cryptocrystalline, marlstone, argillaceous, carbonaceous, hairline fractures, soft to firm, no show

Trace Clay stone- White, chalky, very soft

9960-90 SHALE-10% Dark gray dark brown black, blocky, earthy, carbonaceous, soft, limy, no show

SANDSTONE-10% White salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderately sorted, white clay matrix, black carbonaceous inclusions, trace chlorite, friable, calcareous cement, tight, no show

LIMESTONE-80% Gray brown light to dark gray, cryptocrystalline, marlstone, argillaceous, occasional hairline fractures, soft to firm, no show

9990-10020 SHALE-20% Dark gray dark brown black, blocky, earthy, carbonaceous, soft, limy, no show

LIMESTONE-80% Gray brown light to dark gray, cryptocrystalline, marlstone, argillaceous, occasional hairline fractures, soft to firm, no show

10020-50 SHALE-10% Dark gray dark brown black, blocky, earthy, carbonaceous, soft, limy, no show

LIMESTONE-90% Gray brown dark gray, cryptocrystalline, marlstone, argillaceous, occasional chalky, soft to firm, no show

10050-80 CLAY STONE-20% White light gray, chalky, very soft

SHALE-20% Dark gray black, blocky, earthy, carbonaceous, soft, limy, no show

LIMESTONE-60% Gray brown light to dark gray, cryptocrystalline, marlstone, argillaceous, occasional hairline fractures, soft to firm, no show

10080-10110 SHALE-20% Dark gray black, blocky, earthy, carbonaceous, soft, limy, no show

SILTSTONE-10% Light gray, arenaceous, argillaceous, soft, limy

LIMESTONE-70% Gray brown light to dark gray, cryptocrystalline, marlstone, argillaceous, occasional hairline fractures, soft to firm, no show

10110-40 SHALE-20% Dark gray black, blocky, earthy, carbonaceous, soft, limy, no show

LIMESTONE-80% Gray brown dark gray black, cryptocrystalline, marlstone, argillaceous, trace hairline fractures, soft to firm, no show

10140-70 SHALE-10% Dark gray black, blocky, earthy, carbonaceous, soft, limy, no show

SILTSTONE-10% Light gray, arenaceous, argillaceous, soft, limy

LIMESTONE-80% Light to medium gray brown, cryptocrystalline, marlstone; argillaceous, trace calcite filled fractures, trace fossils, soft to firm, no show

10170-200 SHALE-20% Light to medium gray , blocky, earthy to sub waxy, soft, calcareous, no show

SANDSTONE-10% White salt and pepper, very fine (lower) to fine (upper) grained, sub angular, well sorted, white clay matrix, black carbonaceous inclusions, friable, calcareous cement, tight, no show

LIMESTONE-80% Light to medium gray brown, cryptocrystalline, marlstone, argillaceous, trace calcite filled fractures, soft to firm, no show

10200-30 SHALE-20% Medium to dark gray black, blocky, earthy, soft, limy, no show

LIMESTONE-80% Light gray brown light gray, cryptocrystalline, marlstone, argillaceous, trace hairline fractures, soft to firm, no show

10230-60 LIMESTONE-100% Light gray brown light gray, cryptocrystalline, marlstone, argillaceous, trace hairline fractures, soft to firm, no show

10260-90 CLAY STONE- 10% White light gray, chalky, limey, very soft

SHALE-10% Medium to dark gray black, blocky, earthy, soft, limy, no show

LIMESTONE-80% Light gray brown light gray, cryptocrystalline, marlstone, argillaceous, trace hairline fractures, soft to firm, no show

10290-320 **CLAY STONE- 10% White light gray, chalky, limey, very soft**

SHALE-20% Medium to dark gray black, blocky, earthy, soft, limy, no show

SANDSTONE-10% White salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderately sorted, white clay matrix, poor visible porosity, friable, calcareous, no show

LIMESTONE-80% Light gray brown light gray, cryptocrystalline, marlstone, argillaceous, trace hairline fractures, soft to firm, no show

10320-50 **CLAY STONE- 10% White light gray, chalky, limey, very soft**

SHALE-20% Medium to dark gray black, blocky, earthy, soft, limy, no show

SANDSTONE-20% White salt and pepper, very fine (lower) to fine (upper) grained, sub angular, well sorted, white clay matrix, poor visible porosity, friable, calcareous, no show grading to arenaceous SILTSTONE

LIMESTONE-80% Light gray brown light gray, cryptocrystalline, marlstone, argillaceous, trace hairline fractures, soft to firm, no show

10350-80 **SHALE-20% Dark gray brown black, blocky, earthy, carbonaceous, soft, limy, no show**

SANDSTONE-10% White salt and pepper, very fine (lower) to fine (upper) grained, sub angular, well sorted, white clay matrix, poor visible porosity, friable, calcareous, no show grading to arenaceous SILTSTONE

LIMESTONE-80% Dark gray brown black, cryptocrystalline, marlstone, argillaceous, carbonaceous, soft to firm, no show

10380-410 **CLAY STONE- 10% White light gray, chalky, limey, very soft**

SHALE-20% Light to medium gray dark gray brown, blocky, earthy to sub waxy in part, carbonaceous in part, soft, calcareous to limy, no show

SANDSTONE-20% White salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderately sorted, white clay matrix, poor visible porosity, friable, calcareous, no show grading to arenaceous SILTSTONE

LIMESTONE-50% Light gray brown light gray, cryptocrystalline, marlstone, argillaceous, trace hairline fractures, soft to firm, no show

10410-40 **SHALE-20% Light to medium gray gray brown, blocky, earthy to sub waxy in part, carbonaceous in part, soft, calcareous to limy, no show**

SANDSTONE-20% White salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderately sorted, white clay matrix, poor visible porosity, friable, calcareous, no show grading to arenaceous SILTSTONE

LIMESTONE-50% Gray brown dark gray black, cryptocrystalline, marlstone, argillaceous, trace hairline fractures, soft to firm, no show

10440-70 **SHALE-30% Light to medium gray gray brown, blocky, earthy to sub waxy in part, carbonaceous in part, soft, calcareous to limy, no show**

SANDSTONE-40% White salt and pepper, very fine (lower) to fine (upper) grained, sub angular, well sorted, white clay matrix, carbonaceous inclusions, trace chlorite, poor visible porosity, friable, calcareous, no show grading to arenaceous SILTSTONE

LIMESTONE-30% Gray brown dark gray black, cryptocrystalline, marlstone, argillaceous, trace hairline fractures, soft to firm, no show

10470-500 SHALE-20% Light to medium gray gray brown, blocky, earthy to sub waxy in part, carbonaceous in part, soft, calcareous to limy, no show

SANDSTONE-20% White salt and pepper, very fine (lower) to fine (upper) grained, sub angular, well sorted, white clay matrix, carbonaceous inclusions, trace chlorite, poor visible porosity, friable, calcareous, no show grading to arenaceous SILTSTONE

LIMESTONE-60% Light to medium gray, cryptocrystalline, marlstone, argillaceous, soft to firm, no show

10500-30 SHALE-30% Light to dark gray brown, blocky, earthy to sub waxy in part, soft, calcareous to limy, no show

SANDSTONE-20% White salt and pepper, very fine (lower) to fine (upper) grained, sub angular, well sorted, white clay matrix, carbonaceous inclusions, trace chlorite, poor visible porosity, friable, calcareous, no show grading to arenaceous SILTSTONE

LIMESTONE-50% Light to medium gray, cryptocrystalline, marlstone, argillaceous, occasional pyrite, soft to firm, no show

10530-60 SHALE-30% Light to dark gray brown, blocky, earthy to sub waxy in part, soft, calcareous to limy, no show

SILTSTONE-20% Light to medium gray, arenaceous, argillaceous, friable, calcareous, no show

SANDSTONE-20% White salt and pepper, very fine (lower) to fine (upper) grained, sub angular, well sorted, white clay matrix, carbonaceous inclusions, trace chlorite, poor visible porosity, friable, calcareous, no show grading to arenaceous SILTSTONE

LIMESTONE-50% Light to medium gray brown, cryptocrystalline, marlstone, argillaceous, trace pyrite, soft to firm, no show

10560-90 SHALE-20% Light to dark gray brown, blocky, earthy to sub waxy in part, soft, calcareous to limy, no show

SILTSTONE-20% Light to medium gray, arenaceous, argillaceous, friable, calcareous, no show

SANDSTONE-30% White salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderately sorted, white clay matrix, carbonaceous inclusions, trace chlorite, poor visible porosity, friable, calcareous, no show

LIMESTONE-30% Light to medium gray brown, cryptocrystalline, marlstone, argillaceous, trace pyrite, soft to firm, no show

10590-620 SHALE-20% Light to dark gray brown, blocky, earthy to sub waxy in part, soft, calcareous to limy, no show

SILTSTONE-10% Light to medium gray, arenaceous, argillaceous, friable, calcareous, no show

SANDSTONE-50% White salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderately sorted, white clay matrix, carbonaceous inclusions, trace chlorite, poor visible porosity, friable, calcareous, no show

LIMESTONE-20% Light to medium gray brown, cryptocrystalline, marlstone, argillaceous, trace pyrite, soft to firm, no show

10620-50 SHALE-10% Light to dark gray brown, blocky, earthy to sub waxy in part, soft, calcareous to limy, no show

SILTSTONE-20% Light to medium gray, arenaceous, argillaceous, friable, calcareous, no show

SANDSTONE-50% White salt and pepper, very fine (lower) to fine(upper) grained, sub angular, well sorted, white clay matrix, carbonaceous inclusions, trace chlorite, poor visible porosity, friable, calcareous, no show

LIMESTONE-20% Light to medium gray brown, cryptocrystalline, marlstone, argillaceous, trace pyrite, soft to firm, no show

10650-80 SHALE-10% Light to dark gray brown, blocky, earthy to sub waxy in part, soft, calcareous to limy, no show

SILTSTONE-40% Light to medium gray, arenaceous, argillaceous, friable, calcareous, no show

SANDSTONE-30% White salt and pepper, very fine (lower) to fine(upper) grained, sub angular, well sorted, white clay matrix, carbonaceous inclusions, trace chlorite, poor visible porosity, friable, calcareous, no show

LIMESTONE-20% Light to medium gray brown, cryptocrystalline, marlstone, argillaceous, trace pyrite, soft to firm, no show

10680-710 SHALE-10% Light to dark gray brown, blocky, earthy to sub waxy in part, soft, calcareous to limy, no show

SILTSTONE-10% Light to medium gray, arenaceous, argillaceous, friable, calcareous, no show

SANDSTONE-60% White salt and pepper, very fine (lower) to fine(upper) grained, sub angular, well sorted, white clay matrix, carbonaceous inclusions, trace chlorite, poor visible porosity, friable, calcareous, no show

LIMESTONE-20% Light to medium gray brown, cryptocrystalline, marlstone, argillaceous, trace pyrite, soft to firm, no show

10710-40 SHALE-50% Light to dark gray, blocky, earthy to sub waxy in part, soft, calcareous, no show

SILTSTONE-10% Light gray, arenaceous, argillaceous, friable, calcareous, no show

SANDSTONE-20% White salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderate-well sorted, white clay matrix, carbonaceous inclusions, trace chlorite, poor visible porosity, friable, calcareous, no show

LIMESTONE-20% Light to medium gray brown, cryptocrystalline, marlstone, argillaceous, trace pyrite, soft to firm, no show

10740-70 SHALE-30% Light to dark gray, blocky, earthy to sub waxy in part, soft, calcareous, no show

SANDSTONE-70% White salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderate-well sorted, white clay matrix, carbonaceous inclusions, poor visible porosity, friable, calcareous, no show

10770-800 SHALE-50% Light to dark gray, blocky, earthy to sub waxy in part, soft, calcareous, no show

SILTSTONE-10% Light gray, arenaceous, argillaceous, friable, calcareous, no show

SANDSTONE-40% White salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderate-well sorted, white clay matrix, carbonaceous inclusions, poor visible porosity, friable, calcareous, no show

10800-30 SHALE-70% Light to dark gray, blocky, earthy to sub waxy in part, soft, calcareous, no show

SILTSTONE-10% Light gray, arenaceous, argillaceous, friable, calcareous, no show

SANDSTONE-20% White salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderate-well sorted, white clay matrix, carbonaceous inclusions, poor visible porosity, friable, calcareous, no show

10830-60 SHALE-80% Light to dark gray, blocky, earthy to sub waxy in part, soft, calcareous, no show

SILTSTONE-10% Light gray, arenaceous, argillaceous, friable, calcareous, no show

SANDSTONE-10% White salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderate-well sorted, white clay matrix, carbonaceous inclusions, trace chlorite, poor visible porosity, friable, calcareous, no show

10860-90 SHALE-70% Light to medium gray, blocky, earthy to sub waxy , soft, calcareous, no show

SILTSTONE-10% Light gray, arenaceous, argillaceous, friable, calcareous, no show

SANDSTONE-20% White salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderate-well sorted, white clay matrix, carbonaceous inclusions, trace chlorite, poor visible porosity, friable, calcareous, no show

10890-920 SHALE-80% Light to medium gray (60%) red brown maroon purple (40%), blocky, earthy, soft, calcareous, no show

SANDSTONE-20% White salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderate-well sorted, white clay matrix, carbonaceous inclusions, trace chlorite, poor visible porosity, friable, calcareous, no show

10920-50 SHALE-60% Light to medium gray (60%) red brown maroon purple (40%), blocky, earthy, soft, calcareous, no show

SILTSTONE-10% Light gray red brown, arenaceous, argillaceous, friable, calcareous, no show

SANDSTONE-30% Light gray white salt and pepper, very fine (lower) to fine (upper) grained, sub angular, well sorted, clay matrix, carbonaceous inclusions, poor visible porosity, friable, calcareous, no show

10950-80 SHALE-70% Light to medium gray (70%) red brown maroon purple (30%), blocky, earthy, soft, calcareous, no show

SILTSTONE-10% Light gray red brown, arenaceous, argillaceous, friable, calcareous, no show

SANDSTONE-20% Light gray white salt and pepper, very fine (lower) to fine (upper) grained, sub angular, well sorted, clay matrix, carbonaceous inclusions, poor visible porosity, friable, calcareous, no show

10980-11010 SHALE-50% Light to medium gray (70%) red brown maroon purple (30%), blocky, earthy, soft, calcareous, no show

SILTSTONE-10% Light gray red brown, arenaceous, argillaceous, friable, calcareous, no show

SANDSTONE-40% Light gray white red brown salt and pepper, very fine (lower) to fine (upper) grained, sub angular, well sorted, clay matrix, carbonaceous inclusions, trace chlorite, poor visible porosity, friable, calcareous, no show

11010-40 SHALE-70% Light to medium gray (70%) red brown maroon purple (30%), blocky, earthy, soft, calcareous, no show

SILTSTONE-10% Light gray red brown, arenaceous, argillaceous, friable, calcareous, no show

SANDSTONE-20% Light gray white red brown salt and pepper, very fine (lower) to fine (upper) grained, sub angular, well sorted, clay matrix, carbonaceous inclusions, trace chlorite, poor visible porosity, friable, calcareous, no show

11040-70 SHALE-70% Light to medium gray (60%) red brown maroon purple green (40%), blocky, earthy to sub waxy, soft, calcareous, no show

SANDSTONE-30% Light gray white red brown salt and pepper, very fine (lower) to fine (upper) grained, sub angular, well sorted, clay matrix, carbonaceous inclusions, poor visible porosity, friable, calcareous, no show

11070-11100 SHALE-70% Light to medium gray (60%) red brown maroon purple green (40%), blocky, earthy to sub waxy, soft, calcareous, no show

SANDSTONE-30% Light gray white red brown salt and pepper, very fine (lower) to fine (upper) grained, sub angular, well sorted, clay matrix, carbonaceous inclusions, poor visible porosity, friable, calcareous, no show

11100-30 SHALE-70% Light to medium gray (60%) red brown maroon purple green (40%), blocky, earthy to sub waxy, soft, calcareous, no show

SANDSTONE-20% Light gray white red brown salt and pepper, very fine (lower) to fine (upper) grained, sub angular, well sorted, clay matrix, carbonaceous inclusions, poor visible porosity, friable, calcareous, no show

LIMESTONE-10% Brown gray brown, cryptocrystalline to microcrystalline, argillaceous, firm, no show

11130-60 SHALE-70% Red brown maroon green (60%) light to medium gray (40%), blocky, earthy, silty, soft, calcareous, no show

SILTSTONE-20% Red brown gray, arenaceous, argillaceous, friable, calcareous, no show

SANDSTONE-10% Light gray white red brown salt and pepper, very fine (lower) to fine (upper) grained, sub angular, well sorted, clay matrix, carbonaceous inclusions, trace chlorite, poor visible porosity, friable, calcareous, no show

11160-90 SHALE-70% Red brown maroon (70%) light to medium gray (30%), blocky, earthy, silty, soft, calcareous, no show

SILTSTONE-10% Red brown gray, arenaceous, argillaceous, friable, calcareous, no show

SANDSTONE-20% Red brown white salt and pepper, very fine lower) to medium (lower) grained, sub angular, moderately sorted, clay matrix, carbonaceous inclusions, tight, friable, calcareous, no show

11190-220 SHALE-70% Red brown maroon (70%) light to medium gray (30%), blocky, earthy, silty, soft, calcareous, no show

SANDSTONE-30% Red brown white salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderately sorted, clay matrix, carbonaceous inclusions, tight, friable, calcareous, no show

11220-50 SHALE-60% Red brown maroon (70%) light to medium gray (30%), blocky, earthy, silty, soft, calcareous, no show

SANDSTONE-40% Red brown white salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderately sorted, clay matrix, occasional carbonaceous inclusions, tight, friable, calcareous, no show

11250-80 SHALE-80% Red brown maroon (70%) light to medium gray (30%), blocky, earthy, silty, soft, calcareous, no show

SANDSTONE-20% Red brown white salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderately sorted, clay matrix, occasional carbonaceous inclusions, tight, friable, calcareous, no show

11280-310 SHALE-80% Red brown maroon (80%) light to medium gray (20%), blocky, earthy, silty, soft, calcareous, no show

SANDSTONE-20% Red brown white salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderately sorted, clay matrix, occasional carbonaceous inclusions, tight, friable, calcareous, no show

11310-40 SHALE-60% Red brown maroon (70%) light to medium gray (30%), blocky, earthy, silty, soft, calcareous, no show

SILTSTONE-10% Red brown gray, arenaceous, argillaceous, soft, calcareous

SANDSTONE-40% Red brown white salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderately sorted, clay matrix, occasional carbonaceous inclusions, tight, friable, calcareous, no show

11340-70 **SHALE-60% Red brown maroon (50%) light to medium gray (50%), blocky, earthy, silty, soft, calcareous, no show**

SILTSTONE-10% Red brown gray, arenaceous, argillaceous, soft, calcareous

SANDSTONE-30% White gray salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderately sorted, clay matrix, occasional carbonaceous inclusions, trace chlorite, tight, friable, calcareous, no show

11370-11400 **SHALE-50% Red brown maroon (50%) light to medium gray (50%), blocky, earthy, silty, soft, calcareous, no show**

SILTSTONE-10% Light gray red brown, arenaceous, argillaceous, soft, calcareous

SANDSTONE-40% White gray salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderately sorted, clay matrix, occasional carbonaceous inclusions, trace chlorite, tight, friable, calcareous, no show

11400-30 **SHALE-60% Red brown maroon (60%) light to medium gray (40%), blocky, earthy, silty, soft, calcareous, no show**

SANDSTONE-40% White gray salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderately sorted, clay matrix, occasional carbonaceous inclusions, trace chlorite, tight, friable, calcareous, no show

11430-60 SHALE-60% Light to medium gray (60%) red brown maroon (40%), blocky, earthy, silty, soft, calcareous, no show

SILTSTONE-10% Light gray red brown, arenaceous, argillaceous, soft, calcareous

SANDSTONE-20% White gray salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderately sorted, clay matrix, occasional carbonaceous inclusions, trace chlorite, tight, friable, calcareous, no show

LIMESTONE-10% Light brown light gray, cryptocrystalline, argillaceous, trace hairline fractures, firm, no show

11460-90 SHALE-60% Red brown maroon (50%) light to medium gray (50%), blocky, earthy, silty, soft, calcareous, no show

SILTSTONE-10% Light gray red brown, arenaceous, argillaceous, soft, calcareous

SANDSTONE-30% White gray salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderately sorted, clay matrix, occasional carbonaceous inclusions, trace chlorite, tight, friable, calcareous, no show

11490-11500 TD SHALE-70% Light to medium gray (70%) red brown maroon (30%), blocky, earthy, silty, soft, calcareous, no show

SILTSTONE-10% Light gray red brown, arenaceous, argillaceous, soft, calcareous

SANDSTONE-20% White gray salt and pepper, very fine (lower) to medium (lower) grained, sub angular, moderately sorted, clay matrix, occasional carbonaceous inclusions, trace chlorite, tight, friable, calcareous, no show

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	Feb 15, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5550
Location:	SW/NW Sec.4, T3S, R3W	**K.B.**	5574.5
County/State:	Duchesne Co., Utah	**Geologist:**	Dennis Springer

6:00a.m. Depth 3032 **Progress:** 0 **Operations: Rigging up to run Casing**
NB #1 12 ¼ Ulterra, MS1666BCU, PDC, motor in @ 378'
Bit #1 drilled 2654' in 18 hrs

Mud Ck 3032 **Wt 10.4 Vis 38 PV 5 YP 10 PH 8.5 F 40.0 Chl 8000**

Survey at deg azm

Formation: Unita :Sample Tops

24 Hr. Lithology:na
Sample Quality: Good

Smpl @

Mud Gas	**STG Gas**	Mud Wt in 12.2	Mud Wt out 12.1	Flare	NO
	Conn Gas	Mud Wt in 12.2	Mud Wt out 12.1	Flare	NO
	BG	Mud Wt in 12.2	Mud Wt out 12.1	Flare	NO
	FG NA	Mud Wt in	Mud Wt out	Flare	NO

SHOW

INTERVAL	Gross	P/Rate (min/ft)	Peak	Flare	MW In/Out	Porosity	Flor	Stain	Lith

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	Feb 19, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5550
Location:	SW/NW Sec.4, T3S, R3W	**K.B.**	5574.5
County/State:	Duchesne Co., Utah	**Geologist:**	Dennis Springer

6:00a.m. Depth 3078 **Progress:** 46 **Operations: Perform leak off test**
NB #3 8 3/4 , HYCALOG, PDC, motor in @ 3032'
Bit #2 drilled 0' in 0 hrs

Mud Ck 3032 **Wt 9.1 Vis 42 PV 8 YP 7 PH 8.0 F 7.1 Chl 36000**

Survey at na deg azm

Formation: Unita :Sample Tops

24 Hr. Lithology:na
Sample Quality: Good

Smpl @ na

Mud Gas	**TG Gas**	70	Mud Wt in 9.1	Mud Wt out 9.1	Flare NO
	Conn Gas		Mud Wt in 9.1	Mud Wt out 9.1	Flare NO
	BG	10	Mud Wt in 9.1	Mud Wt out 9.1	Flare NO
	FG	**NA**	Mud Wt in	Mud Wt out	Flare NO

SHOW

INTERVAL	Gross	P/Rate (min/ft)	Peak	Flare	MW In/Out	Porosity	Flor	Stain	Lith

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	Feb 20, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5550
Location:	SW/NW Sec.4, T3S, R3W	**K.B.**	5574.5
County/State:	Duchesne Co., Utah	**Geologist:**	Dennis Springer

6:00a.m. Depth 4665 **Progress:** 1587 **Operations: Drilling**
NB #3 8 3/4 , HYCALOG, PDC, motor in @ 3032'
Bit #2 drilled 0' in 0 hrs

Mud Ck 3580 **Wt 9.1 Vis 38 PV 7 YP 8 PH 11.0 F 5.8 Chl 35000**

Survey at 4496 1.36 deg 185.4 azm

Formation: Green River :Sample Tops GR1 @ 4346

24 Hr. Lithology:Shale, Sandstone, Limestone
Sample Quality: Good

Smpl @ 4620 SH-100% lt-dk brn (100%), blky, rthy, sft, lmy, occ calc fld frac, immd strmg yel cut

Mud Gas	**STG Gas**	120	Mud Wt in 9.1	Mud Wt out 9.1	Flare NO
	Conn Gas	93	Mud Wt in 9.4	Mud Wt out 9.3+	Flare NO
	BG	50	Mud Wt in 9.4	Mud Wt out 9.3+	Flare NO
	FG	**NA**	Mud Wt in	Mud Wt out	Flare NO

SHOW

INTERVAL	Gross	P/Rate (min/ft)	Peak	Flare	MW In/Out	Porosity	Flor	Stain	Lith

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	Feb 21, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5550
Location:	SW/NW Sec.4, T3S, R3W	**K.B.**	5574.5
County/State:	Duchesne Co., Utah	**Geologist:**	Dennis Springer

6:00a.m. Depth 5594 **Progress:** 929 **Operations: Drilling**
NB #3 8 3/4 , HYCALOG, PDC, motor in @ 3032'
Bit #2 drilled 0' in 0 hrs

Mud Ck 5011 **Wt 9.6 Vis 37 PV 10 YP 8 PH 8.8 F 4.8 Chl 34000**

Survey at 5439 .79 deg 238.43 azm

Formation: Green River :Sample Tops GR1 @ 4346

24 Hr. Lithology: Shale, Limestone
Sample Quality: Good

Smpl @ 4620 SH-80% lt-dk brn (80%) lt gy (20%), blky, rthy, sft, lmy, occ calc fld frac, immd strmg yel cut LS-20% lt-m brn gybrn, pred chlky, sft, dk brn asph oil in smpls

Mud Gas	**STG Gas**	504	Mud Wt in 9.6	Mud Wt out 9.6	Flare NO
	Conn Gas	52	Mud Wt in 9.6	Mud Wt out 9.6	Flare NO
	BG	30	Mud Wt in 9.6	Mud Wt out 9.6	Flare NO
	FG	**6025**	Mud Wt in 9.6	Mud Wt out 9.6	Flare NO

SHOW 1

INTERVAL	Gross	P/Rate (min/ft)	Peak	Flare	MW In/Out	Porosity	Flor	Stain	Lith
4932-4964	32	.6-1.3-.8	6025	no	9.6/9.6	frac			SH-lt brn, blky, rthy, limy,dk brn asph oil on shaker

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	Feb 22, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5550
Location:	SW/NW Sec.4, T3S, R3W	**K.B.**	5574.5
County/State:	Duchesne Co., Utah	**Geologist:**	Dennis Springer

6:00a.m. Depth 6326 **Progress:** 732 **Operations: Drilling**
NB #4 8 3/4 , Smith,MS1616,PDC, motor in @ 5908'
Bit #3 drilled 2876' in 49 3/4 hrs

Mud Ck 5910 **Wt 10.1 Vis 38 PV 12 YP 10 PH 8.6 F 4.7 Chl 35000**

Survey at 6162 1.36 deg 192.55 azm

Formation: Green River :Sample Tops GR1 @ 4346 GR2 @ 5940

24 Hr. Lithology: Shale, Limestone
Sample Quality: Good

Smpl @ 6150 SH-100% lt-dk brn (100%), blky, rthy, sft, lmy, occ blk carb incl, immd strmg yel cut

Mud Gas	**TG Gas**	1836	Mud Wt in 10.1	Mud Wt out 10.1	Flare NO
	Conn Gas	410	Mud Wt in 10.1	Mud Wt out 10.1	Flare NO
	BG	200	Mud Wt in 10.1	Mud Wt out 10.1	Flare NO
	FG	**3463**	Mud Wt in 9.6	Mud Wt out 9.6	Flare NO

SHOW 2

INTERVAL	Gross	P/Rate (min/ft)	Peak	Flare	MW In/Out	Porosity	Flor	Stain	Lith
5764-5795	31	.1.37-1.07-1.22	3463	no	9.6/9.6	frac			SH-lt brn, blky, rthy, limy,dk brn asph oil on shaker

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	Feb 23, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5539.5
Location:	SW/NW Sec.4, T3S, R3W	**K.B.**	5564 resurveyed 2/21
County/State:	Duchesne Co., Utah	**Geologist:**	Dennis Springer

6:00a.m. Depth 7293 **Progress:** 967 **Operations: Trip for MWD tool**
NB #4 8 3/4 , Smith,MS1616,PDC, motor in @ 5908'
Bit #3 drilled 2876' in 49 3/4 hrs

Mud Ck 6955 **Wt 10.7 Vis 38 PV 12 YP 13 PH 8.5 F 5.0 Chl 34000**

Survey at 7136 1.93 deg 193.08 azm

Formation: Green River :Sample Tops GR1 @ 4346 GR2 @ 6050, Mahogany Bench @ 6260, DJ Marker @ 6603, DJ1 @ 6855, J Garden Gulch 7184

24 Hr. Lithology: Shale, Limestone
Sample Quality: Good

Smpl @ 7260-90 SH-80% lt-dk brn blk(100%), blky, rthy, sft, lmy, occ blk carb incl, sl wk bl wh cut LS-20% dk gybrn crp-micxln,arg, hairline fracs, sl wk bl wh cut

Mud Gas	**TG Gas**	na	Mud Wt in	Mud Wt out	Flare NO
	Conn Gas	1400	Mud Wt in 10.8+	Mud Wt out 10.8	Flare NO
	BG	400	Mud Wt in 11.0	Mud Wt out 11.0	Flare NO
	FG	**3283**	Mud Wt in 10.7	Mud Wt out 10.7	Flare NO

SHOW 3

INTERVAL	Gross	P/Rate (min/ft)	Peak	Flare	MW In/Out	Porosity	Flor	Stain	Lith
6933-42	9	.87-.6-1.3	3283	no	10.7/10.7	frac			LS-tn lt brn,crp-micxln,arg,aren, sl doloic,sl bl wh cut

Note resurveyed Elev 2/21/11 GL 5539.5 KB 5564

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	Feb 24, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5539.5
Location:	SW/NW Sec.4, T3S, R3W	**K.B.**	5564 resurveyed 2/21
County/State:	Duchesne Co., Utah	**Geologist:**	Dennis Springer

6:00a.m. Depth 8087 **Progress:** 794 **Operations: Drilling**
NB #4 8 3/4 , Smith,MS1616,PDC, motor in @ 5908'
Bit #3 drilled 2876' in 49 3/4 hrs

Mud Ck 7605 **Wt 11.1 Vis 37 PV 11 YP 11 PH 8.5 F 5.5 Chl 33000**

Survey at 8010 2.6 deg 192.2 azm

Formation: Green River :Sample Tops GR1 @ 4346 GR2 @ 6050, Mahogany Bench @ 6260, DJ Marker @ 6603, DJ1 @ 6855, J Garden Gulch 7136, H or GR3 @ 7446

24 Hr. Lithology: Shale, Limestone, Sandstone
Sample Quality: Good

Smpl @ 8040-70 SH-90% m-dk gy (100%), blky, rthy-sbwxy, sft, lmy, LS-10% gy crp-micxln,arg, hairline fracs, no cut

Mud Gas	**TG Gas**	1508	Mud Wt in 11.1	Mud Wt out 11.1	Flare	NO
	Conn Gas	620	Mud Wt in 11.1	Mud Wt out 11.1	Flare	NO
	BG	240	Mud Wt in 11.1	Mud Wt out 11.0	Flare	NO
	FG		Mud Wt in 11.1	Mud Wt out 11.1	Flare	NO

SHOW

INTERVAL	Gross	P/Rate (min/ft)	Peak	Flare	MW In/Out	Porosity	Flor	Stain	Lith

Note

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	Feb 25, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5539.5
Location:	SW/NW Sec.4, T3S, R3W	**K.B.**	5564 resurveyed 2/21
County/State:	Duchesne Co., Utah	**Geologist:**	Dennis Springer

6:00a.m. Depth 8859 **Progress:** 772 **Operations: Drilling**
NB #4 8 3/4 , Smith,MS1616,PDC, motor in @ 5908'
Bit #3 drilled 2876' in 49 3/4 hrs

Mud Ck 8412 **Wt 11.1 Vis 37 PV 12 YP 12 PH 8.5 F 5.0 Chl 35000**

Survey at 8616 1.93 deg 179.02 azm

Formation: Green River :Sample Tops GR1 @ 4346 GR2 @ 6050, Mahogany Bench @ 6260, DJ Marker @ 6603, DJ1 @ 6855, J Garden Gulch 7136, H or GR3 @ 7446 I@ 8050 K @ 8404

24 Hr. Lithology: Shale, Limestone, Sandstone
Sample Quality: Good

Smpl @ 8760-90 Abnt LCM ls bio carb SH-60% lt-m gy (100%), blky, rthy-sbwxy, sft, lmy, LS-20% gy crp-micxln,arg, hairline fracs, no cut SS-20% clr frstd, f(u)-c(l) gr, sbrnd, p srt, uncon, fri, no show

Mud Gas	**TG Gas**	1508	Mud Wt in 11.1	Mud Wt out 11.1	Flare	NO
	Conn Gas	2850	Mud Wt in 11.5	Mud Wt out 11.4	Flare	NO
	BG	950	Mud Wt in 11.5	Mud Wt out 11.4	Flare	NO
	FG		Mud Wt in 11.5	Mud Wt out 11.4	Flare	NO

SHOW

INTERVAL	Gross	P/Rate (min/ft)	Peak	Flare	MW In/Out	Porosity	Flor	Stain	Lith
8249-8256	7	2.3-1.8-.0	4403	N0	11.1/11.1	Frac	No	no	LS-lt-dk gy blk, pred chlky, occ micxln, arg, mudstn, sl blwh cut
8460-8474	14	.4-.4-.3	3496	NO	11.1/11.1	Frac	No	no	LS-lt-dk gy blk, pred chlky, occ micxln, arg, sft-frm, sl blwh cut
8610-54	44	1.1.73-.6	3185 after getting returns	NO	11.5/11.3+	Good Lost circ	No	no	V Poor TR SS-clr, f(u)-c(l)gr, sbrnd, uncon,

Note Lost partial circulation at 8610 returns lagged at 8650

MORNING GEOLOGIC REPORT

Company: Harvest (US) Holdings, Inc
Lease: Evans 1-4-3-3
Location: SW/NW Sec.4, T3S, R3W
County/State: Duchesne Co., Utah

Date: Feb 26, 2011
G.L. 5539.5
K.B. 5564 resurveyed 2/21
Geologist: Dennis Springer

6:00a.m. Depth 9668 **Progress:** 809 **Operations: TOH for Logs**
NB #4 8 3/4 , Smith,MS1616,PDC, motor in @ 5908'
Bit #3 drilled 2876' in 49 3/4 hrs

Mud Ck 8412 **Wt 11.1 Vis 37 PV 12 YP 12 PH 8.5 F 5.0 Chl 35000**

Survey at 9591 1.90 deg 188.3 azm

Formation: Green River :Sample Tops GR1 @ 4346 GR2 @ 6050, Mahogany Bench @ 6260, DJ Marker @ 6603, DJ1 @ 6855, J Garden Gulch 7136, H or GR3 @ 7446 I@ 8050 K @ 8404 CP 70 @ 9198 CP 80 @ 9286 Bar F @ 9317 UB1 @ 9398

24 Hr. Lithology: Shale, Limestone, Sandstone
Sample Quality: Good

Smpl @ 9668 BU LS-100% dk brn dk gy blk crp-micxln,arg, hairline fracs, no show

Mud Gas	**STG Gas**	5192	Mud Wt in 11.7	Mud Wt out 11.7	Flare	NO
	Conn Gas	4050	Mud Wt in 11.7	Mud Wt out 11.7	Flare	NO
	BG	3100	Mud Wt in 11.7	Mud Wt out 11.7	Flare	NO
	FG		Mud Wt in 11.5	Mud Wt out 11.4	Flare	NO

SHOW

INTERVAL	Gross	P/Rate (min/ft)	Peak	Flare	MW In/Out	Porosity	Flor	Stain	Lith
8894-8940	46	.7-.88-.65	4006	no	11.5/11.5	frac			SH & LS-blk dk brn carb, sft, sl wk resid cut
9143-9160	17	.73-.88-.6	5560	no	11.5/11.5	frac			LS-blk dk brn carb, sft, sl wk resid cut

Note Lost partial circulation at 8610 returns lagged at 8650

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	Feb 27, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5539.5
Location:	SW/NW Sec.4, T3S, R3W	**K.B.**	5564 resurveyed 2/21
County/State:	Duchesne Co., Utah	**Geologist:**	Dennis Springer

6:00a.m. Depth 9668 **Progress:** 0 **Operations: TIH wiper trip between logs**
NB #4 8 3/4 , Smith,MS1616,PDC, motor in @ 5908'
Bit #4 drilled 3760' in 63 hrs

Mud Ck 9668 **Wt 11.7 Vis 37 PV 12 YP 14 PH 8.3 F 5.8 Chl 34000**

Survey at 9591 1.90 deg 188.3 azm

Formation: Green River :Sample Tops GR1 @ 4346 GR2 @ 6050, Mahogany Bench @

24 Hr. Lithology: nothing new
Sample Quality: Good

Smpl @ 9668 BU LS-100% dk brn dk gy blk crp-micxln,arg, hairline fracs, no show

Mud Gas	**STG Gas**	na	Mud Wt in 11.7	Mud Wt out 11.7	Flare NO
	Conn Gas	na	Mud Wt in 11.7	Mud Wt out 11.7	Flare NO
	BG	na	Mud Wt in 11.7	Mud Wt out 11.7	Flare

SHOW

INTERVAL	Gross	P/Rate (min/ft)	Peak	Flare	MW In/Out	Porosity	Flor	Stain	Lith

Note	Fracture	Porosity
E Log Tops H @ 7498	12'	6' @ 13%
HI @ 7661	21'	22 @ 14%
I @ 8003	48'	53' @ 13%
K @ 8425? 8324?	9'	22' @ 12%
K1 @ 8846	4'	8' @ 12%
CP 70 @ 9193?		0
CP 80 @ 9268	5'	0
Bar F @ 9286	11'	15' @ 13%
UB1 @ 9384	21'	19' @ 14%

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	Feb 28, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5539.5
Location:	SW/NW Sec.4, T3S, R3W	**K.B.**	5564 resurveyed 2/21
County/State:	Duchesne Co., Utah	**Geologist:**	Dennis Springer

6:00a.m. Depth 9668 **Progress:** 0 **Operations: Sidewall coring**
NB #4 8 3/4 , Smith,MS1616,PDC, motor in @ 5908'
Bit #4 drilled 3760' in 63 hrs

Mud Ck 9668 **Wt 11.75 Vis 37 PV 14 YP 16 PH 8.2 F 6.2 Chl 35000**

Survey at 9591 1.90 deg 188.3 azm

Formation: Green River :E Log Tops GR1 @ 4366 GR2 @ 5950, Smith @ 6143,Mahogany Bench @ 6248, DJ @ 6598, DJ1 @ 6858, J @ 7163, H @ 7498, HI @ 7661, I @ 8003, K @ 8395, K1 @ 8846, CP 70 @ 9193, CP 80 @ 9268, Bar F @ 9308, UB1 @ 9384

24 Hr. Lithology: nothing new
Sample Quality: Good

Smpl @ 9668 BU LS-100% dk brn dk gy blk crp-micxln,arg, hairline fracs, no show

Mud Gas	**TG Gas**	2610	Mud Wt in 11.7	Mud Wt out 11.7	Flare	NO
	Conn Gas	1200	Mud Wt in 11.7	Mud Wt out 11.7	Flare	NO
	BG	1000	Mud Wt in 11.7	Mud Wt out 11.7	Flare	NO

SHOW

INTERVAL	Gross	P/Rate (min/ft)	Peak	Flare	MW In/Out	Porosity	Flor	Stain	Lith

Note

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	March 1, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5539.5
Location:	SW/NW Sec.4, T3S, R3W	**K.B.**	5564 resurveyed 2/21
County/State:	Duchesne Co., Utah	**Geologist:**	Dennis Springer

6:00a.m. Depth 9668 **Progress:** 0 **Operations: TIH Lay down dp**
NB #4 8 3/4 , Smith,MS1616,PDC, motor in @ 5908'
Bit #4 drilled 3760' in 63 hrs

Mud Ck 9668 **Wt 11.75 Vis 37 PV 14 YP 16 PH 8.2 F 6.2 Chl 35000**

Survey at 9591 1.90 deg 188.3 azm

Formation: Green River :E Log Tops GR1 @ 4366 GR2 @ 5950, Smith @ 6143,Mahogany Bench @ 6248, DJ @ 6598, DJ1 @ 6858, J @ 7163, H @ 7498, HI @ 7661, I @ 8003, K @ 8395, K1 @ 8846, CP 70 @ 9193, CP 80 @ 9268, Bar F @ 9308, UB1 @ 9384

24 Hr. Lithology: nothing new
Sample Quality: Good

Smpl @ 9668 BU LS-100% dk brn dk gy blk crp-micxln,arg, hairline fracs, no show

Mud Gas	**TG Gas**	2610	Mud Wt in 11.7	Mud Wt out 11.7	Flare	NO
	Conn Gas	1200	Mud Wt in 11.7	Mud Wt out 11.7	Flare	NO
	BG	1000	Mud Wt in 11.7	Mud Wt out 11.7	Flare	NO

SHOW

INTERVAL	Gross	P/Rate (min/ft)	Peak	Flare	MW In/Out	Porosity	Flor	Stain	Lith

Note

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	MAR 2, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5539.5'
Location:	SW/NW Sec.4,T3S,R3W	**K.B.**	5564'
County/State:	Duchesne Co., Utah	**Geologist:**	Mark Denler Larry Abraham

5:00a.m. Depth 9668' **Progress:** 0' **Operations: Ran intermediate casing. Currently cementing casing.**

NB #4 8 3/4" SMITH, MDS1616, PDC in @ 5909' total 3759' in 61 hrs

Mud Ck 9668' **Wt 11.7 Vis 36 PV 14 YP 14 PH 8.2 F 6.4 Chl 34000**

Survey at 9591' 1.90 Inc. 188.3 Azi.

Formation: Green River : Sample Tops, T gr1: 4366', GR2: 5950', Smith: 6143', Mahogany Bench: 6248', DJ: 6598', DJ1: 6858', J: 7163', H: 7498', HI: 7661', I: 8003', K: 8395', K1: 8846', CP70: 9193', CP80: 9268', Bar F: 9308', Uteland Butte: 9384'

24 Hr. Lithology: LS 80%, SS 20%
Sample Quality: good

Smpl @ 9660 LS brn-dk gy, crpxl, sb blky-sb plty, chaky, arg ip, sft-mod frm, mudstn ip SS fros wht, vf(u)- f(l), sb rd-sb ang, cons, mod cmt, sme lse qtrz xls, mod srt, cly mtx, tt-nvp, fr amnt oil brn-blk oil stain, wht flor

Mud Gas	**TG Gas**	5313u	Mud Wt in 11.7	Mud Wt out	11.7	Flare	NO
	Conn Gas		Mud Wt in	Mud Wt out		Flare	NO
	BG		Mud Wt in	Mud Wt out		Flare	NO
	FG		Mud Wt in	Mud Wt out		Flare	

SHOW

Show number	INTERVAL	Gross	P/Rate	Gas Before	Peak	At	Gas After	Lith

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	MAR 3, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5539.5'
Location:	SW/NW Sec.4,T3S,R3W	**K.B.**	5564'
County/State:	Duchesne Co., Utah	**Geologist:**	Mark Denler Larry Abraham

5:00a.m. Depth 9668' **Progress:** 0' **Operations: Nippling up.**

NB #4 8 3/4" SMITH, MDS1616, PDC in @ 5909' total 3759' in 61 hrs

Mud Ck 9668' **Wt 11.7 Vis 36 PV 14 YP 14 PH 8.2 F 6.4 Chl 34000**

Survey at 9591' 1.90 Inc. 188.3 Azi.

Formation: Green River : Sample Tops, T gr1: 4366', GR2: 5950', Smith: 6143', Mahogany Bench: 6248', DJ: 6598', DJ1: 6858', J: 7163', H: 7498', HI: 7661', I: 8003', K: 8395', K1: 8846', CP70: 9193', CP80: 9268', Bar F: 9308', Uteland Butte: 9384'

24 Hr. Lithology: LS 80%, SS 20%
Sample Quality: good

Smpl @ 9660 LS brn-dk gy, crpxl, sb blky-sb plty, chaky, arg ip, sft-mod frm, mudstn ip SS fros wht, vf(u)- f(l), sb rd-sb ang, cons, mod cmt, sme lse qtrz xls, mod srt, cly mtx, tt-nvp, fr amnt oil brn-blk oil stain, wht flor

Mud Gas	**TG Gas**	5313u	Mud Wt in 11.7	Mud Wt out	11.7	Flare	NO
	Conn Gas		Mud Wt in	Mud Wt out		Flare	NO
	BG		Mud Wt in	Mud Wt out		Flare	NO
	FG		Mud Wt in	Mud Wt out		Flare	

SHOW

Show number	INTERVAL	Gross	P/Rate	Gas Before	Peak	At	Gas After	Lith

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	MAR 4, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5539.5'
Location:	SW/NW Sec.4,T3S,R3W	**K.B.**	5564'
County/State:	Duchesne Co., Utah	**Geologist:**	Mark Denler Larry Abraham

5:00a.m. Depth 9668' **Progress:** 0' **Operations: Squeeze job, open annular and casing valve and watch for flow. Nipple down BOP and riser. Pick up BOP and riser, set slips, cut and pull casing. Nipple down, cut casing, install well head test packer. Currently nippling up.**

NB #4 8 3/4" SMITH, MDS1616, PDC in @ 5909' total 3759' in 61 hrs

Mud Ck 8412 **Wt 11.7 Vis 38 PV 12 YP 12 PH 8.5 F 5 Chl 35000**

Survey at 9591' 1.90 Inc. 188.3 Azi.

Formation: Green River : Sample Tops, T gr1: 4366', GR2: 5950', Smith: 6143', Mahogany Bench: 6248', DJ: 6598', DJ1: 6858', J: 7163', H: 7498', HI: 7661', I: 8003', K: 8395', K1: 8846', CP70: 9193', CP80: 9268', Bar F: 9308', Uteland Butte: 9384'

24 Hr. Lithology: LS 80%, SS 20%
Sample Quality: good

Smpl @ 9660 LS brn-dk gy, crpxl, sb blky-sb plty, chaky, arg ip, sft-mod frm, mudstn ip SS fros wht, vf(u)- f(l), sb rd-sb ang, cons, mod cmt, sme lse qtrz xls, mod srt, cly mtx, tt-nvp, fr amnt oil brn-blk oil stain, wht flor

Mud Gas	**TG Gas**	3355u	Mud Wt in 11.7	Mud Wt out	11.7	Flare	NO
	Conn Gas		Mud Wt in	Mud Wt out		Flare	NO
	BG		Mud Wt in	Mud Wt out		Flare	NO
	FG		Mud Wt in	Mud Wt out		Flare	

SHOW

Show number	INTERVAL	Gross	P/Rate	Gas Before	Peak	At	Gas After	Lith

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	MAR 5, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5539.5'
Location:	SW/NW Sec.4,T3S,R3W	**K.B.**	5564'
County/State:	Duchesne Co., Utah	**Geologist:**	Dennis Springer

5:00a.m. Depth 9668' **Progress:** 0' **Operations: Test Bops pick up dp**

NB #5 6" Ulterra, MS1613, PDC in @ 9668'

Mud Ck 8412 **Wt 11.7 Vis 38 PV 15 YP 12 PH 8.0 F 7.2 Chl 34000**

Survey at 9591' 1.90 Inc. 188.3 Azi.

Formation: Green River : Sample Tops, T gr1: 4366', GR2: 5950', Smith: 6143', Mahogany Bench: 6248', DJ: 6598', DJ1: 6858', J: 7163', H: 7498', HI: 7661', I: 8003', K: 8395', K1: 8846', CP70: 9193', CP80: 9268', Bar F: 9308', Uteland Butte: 9384'

24 Hr. Lithology: LS 80%, SS 20%
Sample Quality: good

Smpl @ 9660 LS brn-dk gy, crpxl, sb blky-sb plty, chaky, arg ip, sft-mod frm, mudstn ip SS fros wht, vf(u)- f(l), sb rd-sb ang, cons, mod cmt, sme lse qtrz xls, mod srt, cly mtx, tt-nvp, fr amnt oil brn-blk oil stain, wht flor

Mud Gas	**TG Gas**	3355u	Mud Wt in	11.7	Mud Wt out	11.7	Flare	NO
	Conn Gas		Mud Wt in		Mud Wt out		Flare	NO
	BG		Mud Wt in		Mud Wt out		Flare	NO
	FG		Mud Wt in		Mud Wt out		Flare	

SHOW

Show number	INTERVAL	Gross	P/Rate	Gas Before	Peak	At	Gas After	Lith

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	MAR 6, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5539.5'
Location:	SW/NW Sec.4,T3S,R3W	**K.B.**	5564'
County/State:	Duchesne Co., Utah	**Geologist:**	Dennis Springer

6:00a.m. Depth 9836' **Progress:** 168' **Operations: Drilling**

NB #5 6" Smith, MSI613, PDC in @ 9668'

Mud Ck 9678 **Wt 12.1 Vis 38 PV 15 YP 12 PH 8.4 F 6.6 Chl 36000**

Survey at 9750' 2.20 Inc. 190.6 Azi.

Formation: Green River : Sample Tops, T gr1: 4366', GR2: 5950', Smith: 6143', Mahogany Bench: 6248', DJ: 6598', DJ1: 6858', J: 7163', H: 7498', HI: 7661', I: 8003', K: 8395', K1: 8846', CP70: 9193', CP80: 9268', Bar F: 9308', Uteland Butte: 9384'

24 Hr. Lithology: LS 80%, SH 20%
Sample Quality: good

Smpl @ 9810 LS brn-dk gy, crpxl, sb blky-sb plty, chaky, arg ip, sft-mod frm, mudstn ip

Mud Gas	**TG Gas**	700	Mud Wt in 12.1	Mud Wt out 12.1	Flare	NO
	Conn Gas	300	Mud Wt in 12.1	Mud Wt out 12.1	Flare	NO
	BG	150	Mud Wt in 12.1	Mud Wt out 12.1	Flare	NO
	FG	**1480**	Mud Wt in 12.1	Mud Wt out 12.1	Flare	NO

SHOW

Show number	INTERVAL	Gross	P/Rate	Gas Before	Peak	At	Gas After	Lith

Note: Leak off test 17.09 ppg

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	MAR 7, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5539.5'
Location:	SW/NW Sec.4,T3S,R3W	**K.B.**	5564'
County/State:	Duchesne Co., Utah	**Geologist:**	Dennis Springer

6:00a.m. Depth 10237' **Progress:** 401' **Operations: Drilling**

NB #5 6" Smith, MSI613, PDC in @ 9668'

Mud Ck 10031 **Wt 12.1 Vis 38 PV 18 YP 12 PH 8.4 F 5.4 Chl 40,000**

Survey at 10219' 2.0 Inc. 187.6 Azi.

Formation: Green River : E Log Tops, T gr1: 4366', GR2: 5950', Smith: 6143', Mahogany Bench: 6248', DJ: 6598', DJ1: 6858', J: 7163', H: 7498', HI: 7661', I: 8003', K: 8395', K1: 8846', CP70: 9193', CP80: 9268', Bar F: 9308', Uteland Butte: 9384' Wasatch 9890

24 Hr. Lithology: LS 70%, SH 20%, SS 10%
Sample Quality: good

Smpl @ 10200 LS-70 lt-m gybrn , crpxl, chaky, arg ip, marlstn ip, SH 20% lt-m gy, blky, rthy-sbwxy, sft, calc, SS 10% wh s&p, vf(l)-f(u) gr, sbang, w srt, wh cly mtx, tt, fri, no show

Mud Gas	**TG Gas**	na	Mud Wt in 12.1	Mud Wt out 12.1	Flare NO
	Conn Gas	615	Mud Wt in 12.1	Mud Wt out 12.1	Flare NO
	BG	125	Mud Wt in 12.1	Mud Wt out 12.1	Flare NO
	FG	**2203**	Mud Wt in 12.1	Mud Wt out 12.1	Flare NO

SHOW 9

INTERVAL	Gross	P/Rate (min/ft)	Peak	Flare	MW In/Out	Porosity	Flor	Stain	Lith
9952-55	3	.87-.6-1.3	2203	no	12.1/12.1	P intgr	no	no	SS-wh s&p, vf(l)-m(l)gr, sbang, m srt, wh cly mtx, tr chlor, blk carb incl,

Note: Leak off test 17.09 ppg

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	MAR 8, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5539.5'
Location:	SW/NW Sec.4,T3S,R3W	**K.B.**	5564'
County/State:	Duchesne Co., Utah	**Geologist:**	Dennis Springer

6:00a.m. Depth 10436' **Progress:** 199' **Operations: Drilling after Bit trip**

NB #6 6" Ulterra, MS 1665, PDC in @ 10422'
Bit #5 drilled 754 ft in 51 hrs

Mud Ck 10402 **Wt 12.1 Vis 38 PV 6YP 12 PH 8.0 F 5.2 Chl 44,000**

Survey at 10369' 1.9 Inc. 186.7 Azi.

Formation: Green River : E Log Tops, T gr1: 4366', GR2: 5950', Smith: 6143', Mahogany Bench: 6248', DJ: 6598', DJ1: 6858', J: 7163', H: 7498', HI: 7661', I: 8003', K: 8395', K1: 8846', CP70: 9193', CP80: 9268', Bar F: 9308', Uteland Butte: 9384' Wasatch 9890

24 Hr. Lithology: LS 70%, SH 10%, SS 20%
Sample Quality: good

Smpl @ 10200 LS-70 dk gybrn , crpxl, chaky, arg ip, marlstn ip, SH 10% lt-m gy, blky, rthy-sbwxy, sft, calc, SS 20% wh s&p, vf(l)-f(u) gr, sbang, w srt, wh cly mtx, tt, fri, no show

Mud Gas	**TG Gas**	2900	Mud Wt in 12.2	Mud Wt out 12.2	Flare	NO
	Conn Gas	1694	Mud Wt in 12.1	Mud Wt out 12.1	Flare	NO
	BG	120	Mud Wt in 12.1	Mud Wt out 12.1	Flare	NO
	FG		Mud Wt in 12.1	Mud Wt out 12.1	Flare	NO

SHOW

INTERVAL	Gross	P/Rate (min/ft)	Peak	Flare	MW In/Out	Porosity	Flor	Stain	Lith

Note: Leak off test 17.09 ppg

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	MAR 9, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5539.5'
Location:	SW/NW Sec.4,T3S,R3W	**K.B.**	5564'
County/State:	Duchesne Co., Utah	**Geologist:**	Dennis Springer

6:00a.m. Depth 11324 **Progress:** 888' **Operations: Drilling**
NB #6 6" Ulterra, MS 1665, PDC in @ 10422'
Bit #5 drilled 754 ft in 51 hrs

Mud Ck 10860 **Wt 12.05 Vis 38 PV 15 YP 10 PH 8.0 F 5.0 Chl 42,000**

Survey at 11063' 2.02 Inc. 180.25 Azi.

Formation: Green River : E Log Tops, T gr1: 4366', GR2: 5950', Smith: 6143', Mahogany Bench: 6248', DJ: 6598', DJ1: 6858', J: 7163', H: 7498', HI: 7661', I: 8003', K: 8395', K1: 8846', CP70: 9193', CP80: 9268', Bar F: 9308', Uteland Butte: 9384' Wasatch 9890, Dart SS: 10294, CP 190: 10686, CP 200: 10739, CP 210: 10844Massive Red Beds 11160

24 Hr. Lithology: LS 70%, SH 10%, SS 20%
Sample Quality: good

Smpl @ 11250 SH 70% rdbrn mar(70%) lt-m gy(30%, blky, rthy-sbwxy, sft, calc, SS 30% rdbrn wh s&p, vf(l)-m(l) gr, sbang, w srt, cly mtx, tt, fri, no show

Mud Gas	**TG Gas**	na	Mud Wt in 12.1	Mud Wt out 12.1	Flare	NO
	Conn Gas	860	Mud Wt in 12.1	Mud Wt out 12.1	Flare	NO
	BG	30	Mud Wt in 12.1	Mud Wt out 12.1	Flare	NO
	FG		Mud Wt in 12.1	Mud Wt out 12.1	Flare	NO

SHOW

INTERVAL	Gross	P/Rate (min/ft)	Peak	Flare	MW In/Out	Porosity	Flor	Stain	Lith

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	MAR 10, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5539.5'
Location:	SW/NW Sec.4,T3S,R3W	**K.B.**	5564'
County/State:	Duchesne Co., Utah	**Geologist:**	Dennis Springer

6:00a.m. Depth 11500 **Progress:** 176' **Operations: Logging**
NB #6 6" Ulterra, MS 1665, PDC in @ 10422'
Bit #6 drilled 1078 ft in 29 1/2 hrs

Mud Ck 11500 **Wt 12.1 Vis 38 PV 15 YP 10 PH 8.0 F 5.0 Chl 42,000**

Survey at 11063' 2.02 Inc. 180.25 Azi.

Formation: Green River : E Log Tops, T gr1: 4366', GR2: 5950', Smith: 6143', Mahogany Bench: 6248', DJ: 6598', DJ1: 6858', J: 7163', H: 7498', HI: 7661', I: 8003', K: 8395', K1: 8846', CP70: 9193', CP80: 9268', Bar F: 9308', Uteland Butte: 9384' Wasatch 9890, Dart SS: 10294, CP 190: 10686, CP 200: 10739, CP 210: 10844Massive Red Beds 11160

24 Hr. Lithology: SH 60%, SS 30%, SLTST 10%
Sample Quality: good

Smpl @ 11500 TD SH 70% lt-dk gy (70%) rdbrn mar (30%), blky, rthy-sbwxy, sft, calc, SS 20% rdbrn wh s&p, vf(l)-m(l) gr, sbang, w srt, cly mtx, tt, fri, no show SLTST 10% lt gy redbrn, aren, arg, sft

Mud Gas	**STG Gas**	2468	Mud Wt in 12.1	Mud Wt out 12.1	Flare	NO
	Conn Gas	900	Mud Wt in 12.1	Mud Wt out 12.1	Flare	NO
	BG	30	Mud Wt in 12.1	Mud Wt out 12.1	Flare	NO
	FG		Mud Wt in 12.1	Mud Wt out 12.1	Flare	NO

SHOW

INTERVAL	Gross	P/Rate (min/ft)	Peak	Flare	MW In/Out	Porosity	Flor	Stain	Lith

Note: Leak off test 17.09 ppg

MORNING GEOLOGIC REPORT

Company:	Harvest (US) Holdings, Inc	**Date:**	MAR 11, 2011
Lease:	Evans 1-4-3-3	**G.L.**	5539.5'
Location:	SW/NW Sec.4,T3S,R3W	**K.B.**	5564'
County/State:	Duchesne Co., Utah	**Geologist:**	Dennis Springer

6:00a.m. Depth 11500 **Progress:** 0' **Operations: TIH w 4 1/2 Liner**
NB #6 6" Ulterra, MS 1665, PDC in @ 10422'
Bit #6 drilled 1078 ft in 29 1/2 hrs

Mud Ck 11500 **Wt 12.1 Vis 38 PV 16 YP 7 PH 8.0 F 5.0 Chl 42,000**

Survey at 11460' 2.2 Inc. 180.01 Azi.

Formation: Green River : E Log Tops, T gr1: 4366', GR2: 5950', Smith: 6143', Mahogany Bench: 6248', DJ: 6598', DJ1: 6858', J: 7163', H: 7498', HI: 7661', I: 8003', K: 8395', K1: 8846', CP70: 9193', CP80: 9268', Bar F: 9308', Uteland Butte: 9384, CP 90', Wasatch 9858, Dart SS: 10346, CP 190: 10668, CP 200: 10733, CP 210: 10820Massive Red Beds 11270

24 Hr. Lithology: SH 60%, SS 30%, SLTST 10%
Sample Quality: good

Smpl @ 11500 TD SH 70% lt-dk gy (70%) rdbrn mar (30%), blky, rthy-sbwxy, sft, calc, SS 20% rdbrn wh s&p, vf(l)-m(l) gr, sbang, w srt, cly mtx, tt, fri, no show SLTST 10% lt gy redbrn, aren, arg, sft

Mud Gas	**TG Gas**	4600	Mud Wt in 12.1	Mud Wt out 12.1	Flare	NO
	Conn Gas	900	Mud Wt in 12.1	Mud Wt out 12.1	Flare	NO
	BG	30	Mud Wt in 12.1	Mud Wt out 12.1	Flare	NO
	FG		Mud Wt in 12.1	Mud Wt out 12.1	Flare	NO

SHOW

INTERVAL	Gross	P/Rate (min/ft)	Peak	Flare	MW In/Out	Porosity	Flor	Stain	Lith

Note: Leak off test 17.09 ppg

GAS SHOWS DATA RECORD
EVANS 1-4-3-3

Sho	DEPTH feet)	Gas	Total Gas	C1 (ppm)	C2 (ppm)	C3 (ppm)	C4 (ppm)	C1/C2	C1/C3	C1/C4	Formation	Comments
1	4932-4964	PEAK	6025	495439	78574	14313	13131				Green River	SH-lt-m brn(60%), plty, blky, calc, rthy, frm-sft, gy brn w/ gy sh inclu(20%) plty, blky, chky, fr amnt pyr, stmg bl yel cut, abunt Tar and oil with sweep
		BG	49	4092	649	118	117					
		NET	5976	491347	77925	14195	13014	6	35	38		
2	5764-5795	PEAK	3463	258734	66701	14042	13115				Green River	LS-wh-tn,mod v sft-sl frm ,arg ip, aprnt oil stain, fr amnt oil in sample
		BG	323	28407	2507	573	249					
		NET	3140	230327	64194	13469	12866	4	17	18		
3	6933-6943	PEAK	3365	258912	67632	7087	2951				DJ1 Marker	LS- tn, lt brn, crp-micxl, arg, aren ip,sft,tr pry, sl doloic, wk mlky bl yel cut, no IslTube
		BG	253	20750	6333	430	165					
		NET	3112	238162	61299	6657	2786	4	36	85		
4	8249-8256	PEAK	4403	367759	58988	10478	3159				K Marker	LS- lt-dk-blk gy, pred chalky, occ micxl, arg, mudstn, sft-frm
		BG	168	15121	2259	443	130					
		NET	4235	352638	56729	10035	3029	6	35	116		
5	8460-8476	PEAK	3494	248927	69147	19958	11439				K Marker	LS- lt-dk-blk gy, pred chalky, occ micxl, arg, mudstn, sft-frm
		BG	1314	77820	25190	10706	5290					
		NET	2180	171107	43957	9252	6149	4	18	28		
6	8650-8654	PEAK	3184	245618	45006	16300	8605				K Marker	SS- lt gy, vf(u), sbrnd, m srt, cly mtx,cal cmt, tt, frm
		BG	367	26790	6512	1865	1399					
		NET	2817	218828	38494	14435	7206	6	15	30		
7	8901-8940	PEAK	4044	282361	87494	33753	18603				K1 Marker	SS- lt gy, vf(u), sbrnd, m srt, cly mtx,cal cmt, tt, frm
		BG	2022	138889	52707	10642	6451					
		NET	2023	143472	34787	23111	12152	4	6	12		

8	9143-9160	PEAK BG NET	5560 3541 2019	370486 234349 136137	127897 76604 51293	42221 21405 20816	20992 15543 5449	3	7	25	K1 Marker	SH-lt-m gy, rare blk ,m sft- frm, sl rthy, lym, sbblky, slty, plty, carby
9	9952-9955	PEAK BG NET	2203 164 2039	105877 164 105713	57485 2567 54918	11981 105 11876	8893 252 8641	2	9	12	Wasatch	SS- lt gy, vf(l)-vf(u),sbrnd, w-m srt clymtx, sl carb incl, tt, frm

Evans 1-4-3-3

SHOW #1 4932-4964

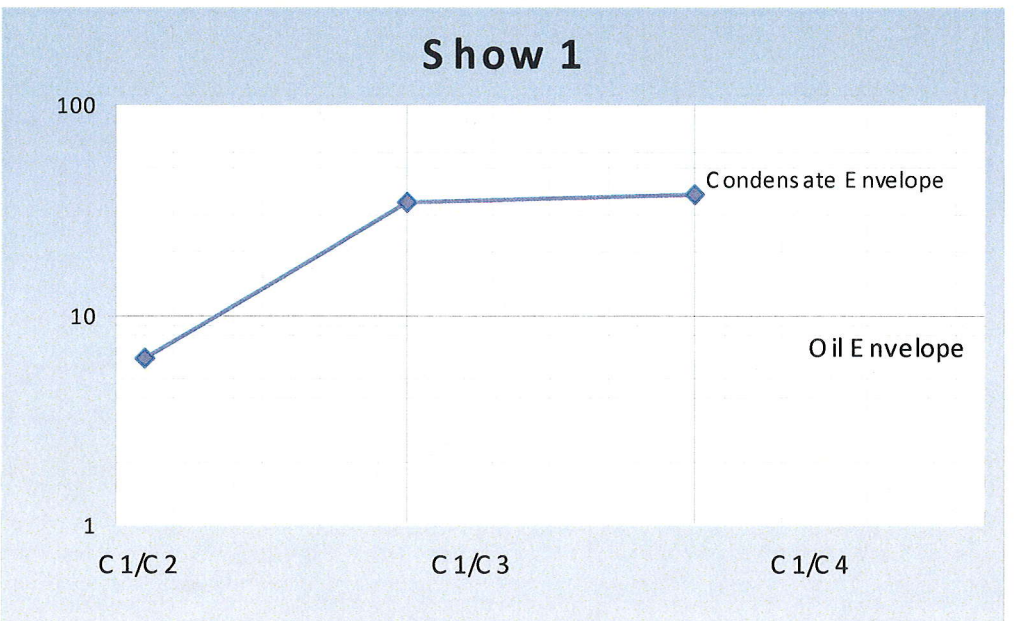


Figure 1.1 Show 1

Evans 1-4-3-3

SHOW #2 5764-5795

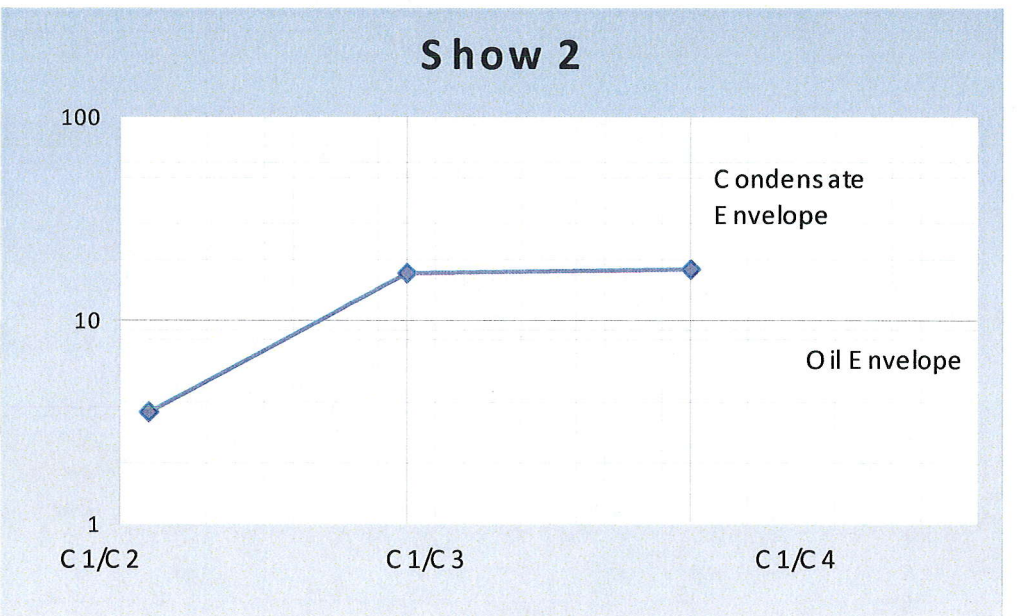


Figure 1.2 Show 2

Evans 1-4-3-3

SHOW #3 6933-6943

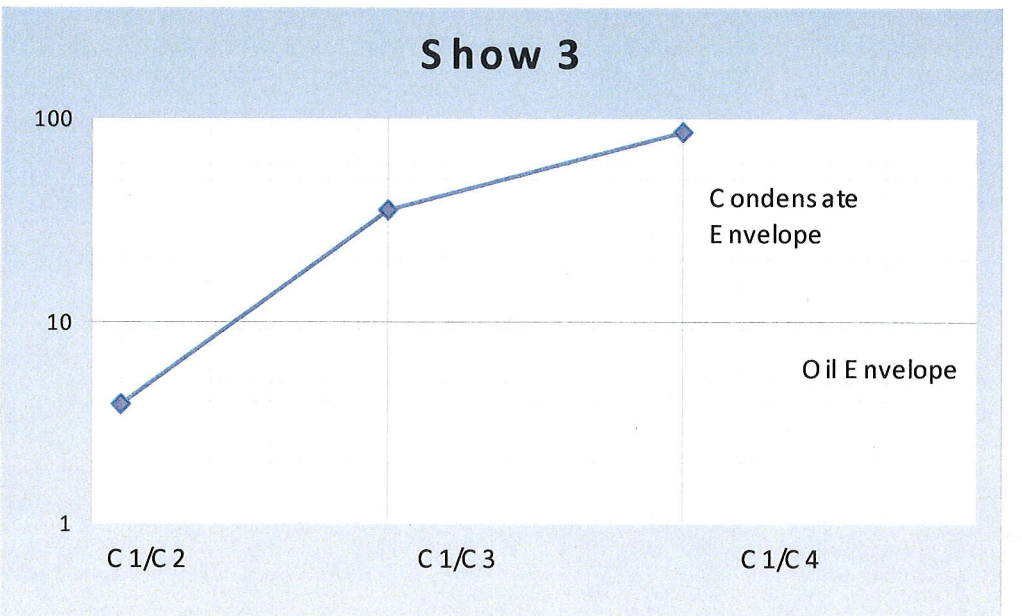


Figure 1.3 Show 3

Evans 1-4-3-3

SHOW #4 8249-8256

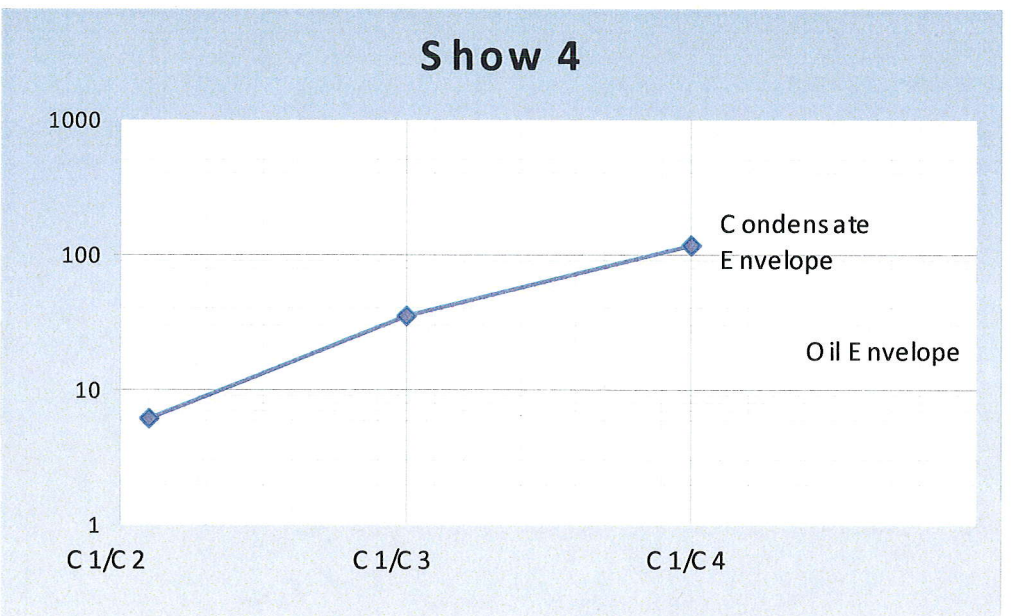


Figure 1.4 Show 4

Evans 1-4-3-3

SHOW #5 8260-8474

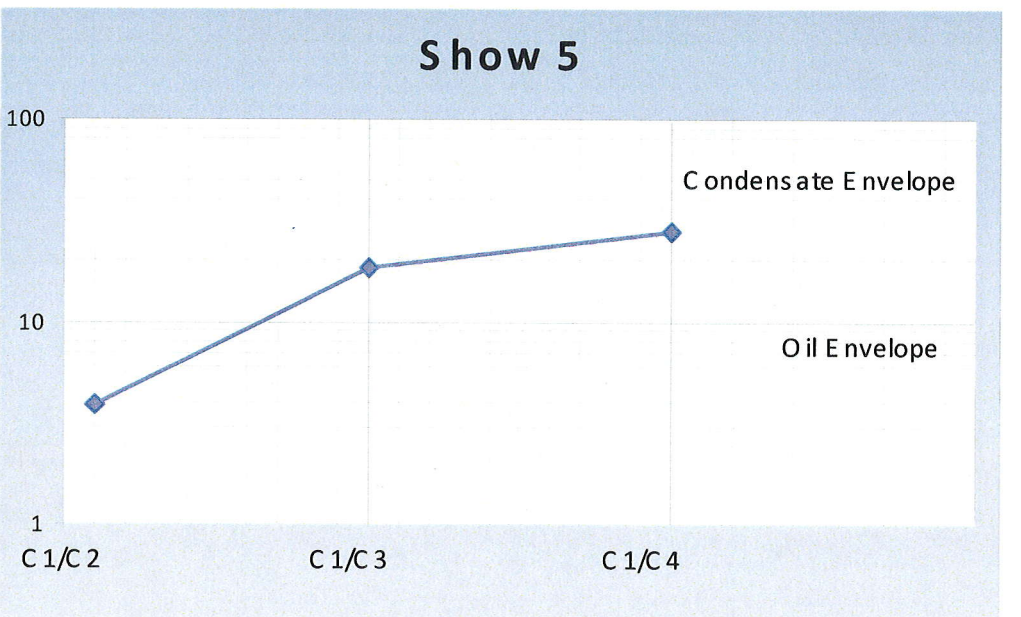


Figure 1.5 Show 5

Evans 1-4-3-3

SHOW #6 8650-8654

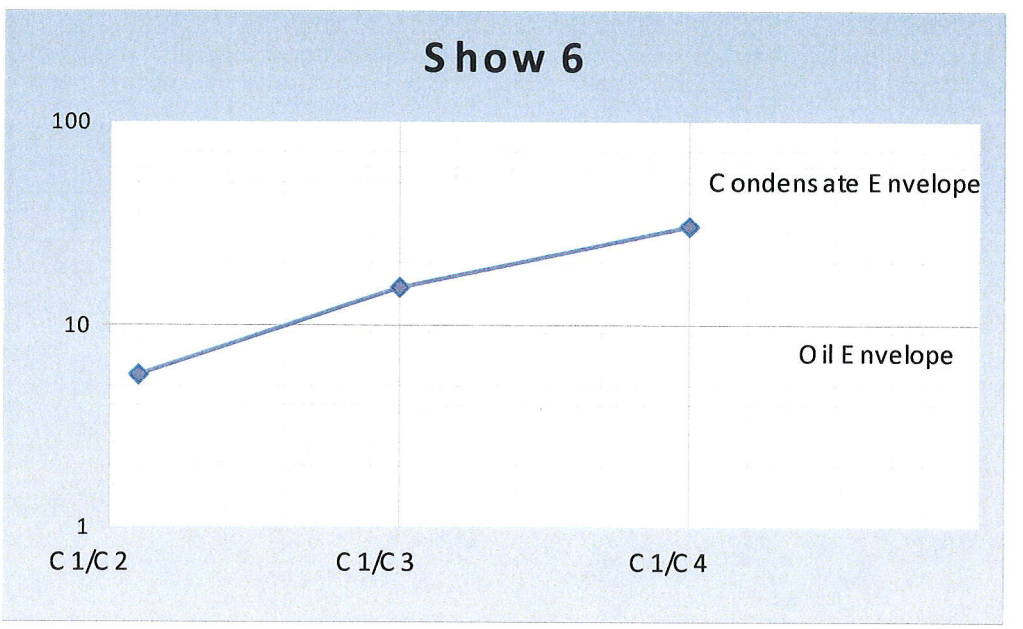
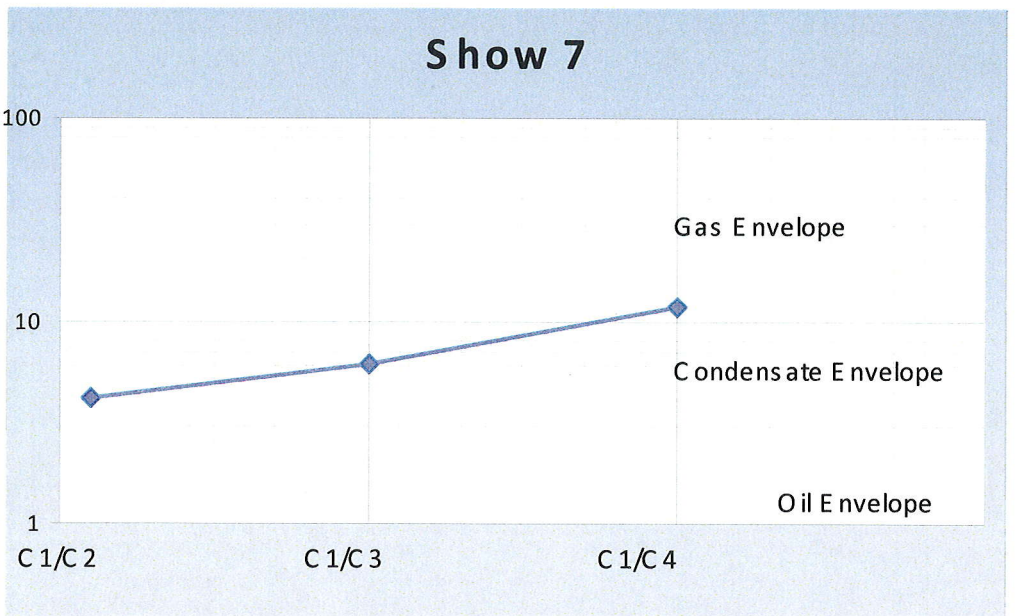


Figure 1.6 Show 6

Evans 1-4-3-3

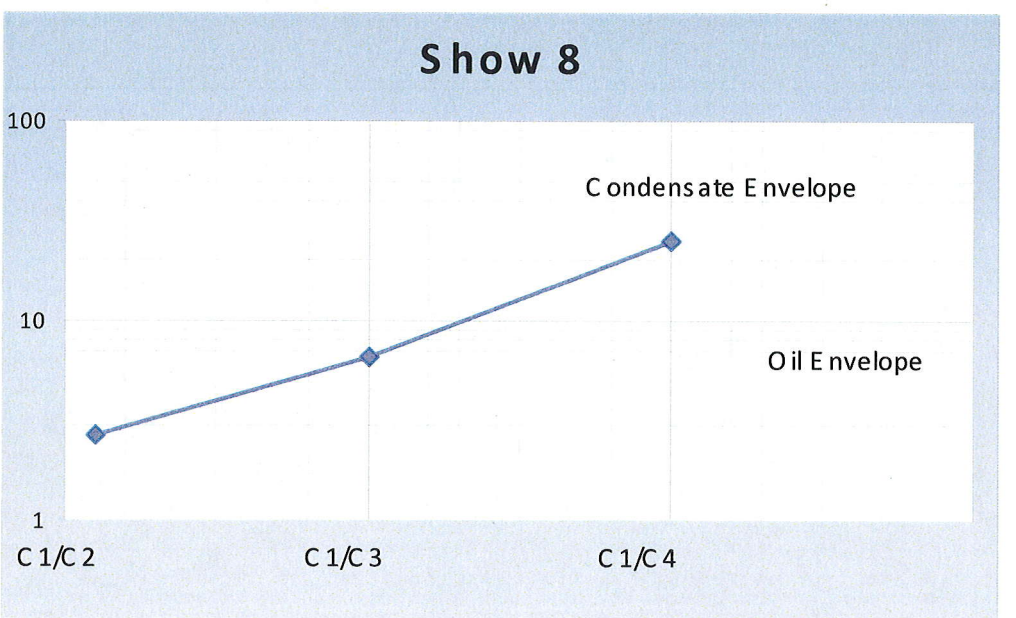
SHOW #7 8901-8940



1.7 Show **Figure** 7

Evans 1-4-3-3

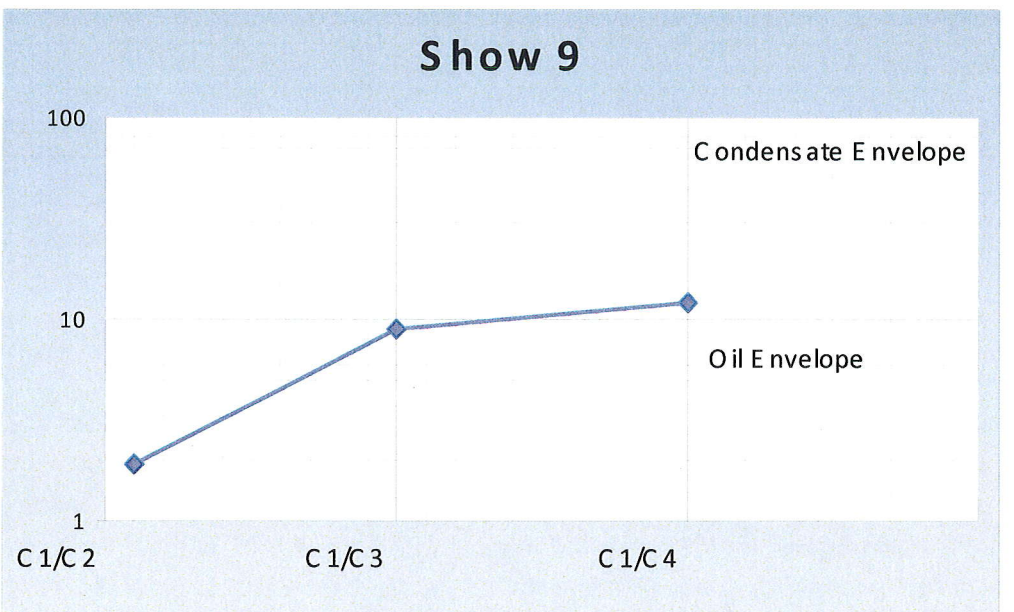
SHOW #8 9143-9160



1.8 Show **Figure** 8

Evans 1-4-3-3

SHOW #9 9952-9955



1.9 Show **Figure** 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
Fee

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
EVANS #1-4-3-3

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
43013505610000

3. ADDRESS OF OPERATOR:
1001 17th Street, Suite 2000 , Denver, CO, 80202

PHONE NUMBER:
303 382-4443 Ext

9. FIELD and POOL or WILDCAT:
WILDCAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1385 FNL 1181 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNW Section: 04 Township: 03.0S Range: 03.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 9/7/2012	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: Site Facility/Site Security

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
SEE ATTACHED REVISED SITE FACILITY DIAGRAM

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
January 25, 2013

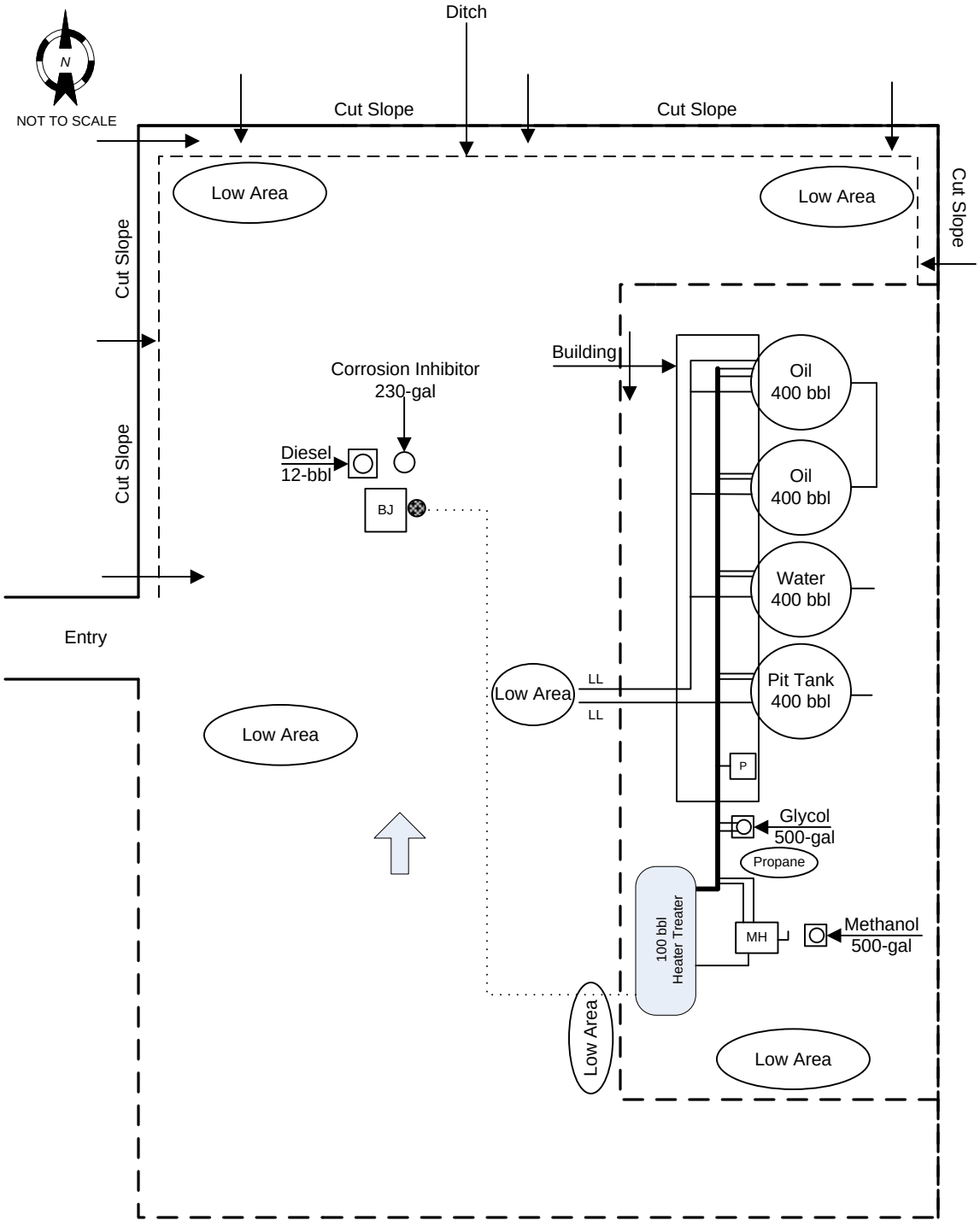
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jill L Loyle	303 383-4135	Regulatory Technician
SIGNATURE		**DATE**
N/A		1/25/2013

RECEIVED: Jan. 25, 2013

NEWFIELD PRODUCTION COMPANY

EVANS 1-4-3-3W
SEC.4 T3S R3W
DUCHESNE COUNTY, UTAH

NOT TO SCALE



LEGEND

- FENCE
- BERM
- ABOVEGROUND PIPING
- UNDERGROUND PIPING (LOCATION APPROXIMATE)
- MH — METER HOUSE
- DIRECTION OF FLOW
- bbl — BARREL(S)
- LL — LOAD LINE
- WELL HEAD
- BJ — BELT JACK
- P — PUMP
- PIPING CONDUIT

ALL UNDERGROUND PIPING IS FOR PROCESS FLOW DEMONSTRATION ONLY

RECEIVED: Jan. 25, 2013

CONFIDENTIAL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☑ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
7. UNIT or CA AGREEMENT NAME: N/A
8. WELL NAME and NUMBER: Evans #1-4-3-3
9. API NUMBER: 4301350561
10 FIELD AND POOL, OR WILDCAT: Wildcat

1a. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR: Harvest (US) Holdings, Inc.

3. ADDRESS OF OPERATOR: 1177 Enclave Parkway CITY Houston STATE TX ZIP 77077

PHONE NUMBER: (281) 899-5722

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1385 FNL 1181 FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 1385 FNL 1181 FWL
AT TOTAL DEPTH: 1385 FNL 1181 FWL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 4 3S 3W U

12. COUNTY: Duchesne
13. STATE: UTAH

14. DATE SPUDDED: 2/3/2011
15. DATE T.D. REACHED: 3/9/2011
16. DATE COMPLETED: 4/21/2011 ABANDONED ☐ READY TO PRODUCE ☑
17. ELEVATIONS (DF, RKB, RT, GL): 5,550' GL

18. TOTAL DEPTH: MD 11,500 TVD 11,500
19. PLUG BACK T.D.: MD 11,454 TVD 11,454
20. IF MULTIPLE COMPLETIONS, HOW MANY? * 4
21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
Spectral Density, Neutron, GR, DLL, MSFL

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
17.5	13-3/8 H-40	48.5	0	528		G 650	133	0-CIR	
12.25	9-5/8 J-55	36	0	3,032		G 1,075	336	0-CIR	
8.75	7 P-110	29	0	9,665		Bondo 1,139	322	1350-CBL	
6.00	4-1/2 P-110	15.1	9,496	11,495		Bondo 160	46	9496-cir	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8	9,206	9,190						

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Castle Peak	9,306	9,398	9,306	9,398
(B) Wasatch	9,940	11,467	9,940	11,467
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
9,306 10,613	.3	51	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
9306-10613	132,000 20/40 white, 18,000 20/40 resin, 44,200 100 mesh, 23,800 30/50 sand, 17,000 30/50 resin

29. ENCLOSED ATTACHMENTS:

☑ ELECTRICAL/MECHANICAL LOGS ☑ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: Producing

(5/2000)

(CONTINUED ON BACK)

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
4/21/2011	4/21/2011	24		737	905	454	flowing

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
16	1,900	0	52.40	1,404	1,228		737	905	454	producing

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Flared

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
			see geologic summary	Garden Gulch	7,280
				Douglas Creek/GR	8,404
				Uteland Butte	9,490
				Wasatch	9,944

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Don Hamilton TITLE Agent for Harvest (US) Holdings, Inc.

SIGNATURE Don Hamilton DATE 6/16/2011

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)